Lab Code: 200707-0

ETSI ES 203 021-1 V2.1.1 (2005-08)
ETSI ES 203 021-2 V2.1.2 (2006-01)
ETSI ES 203 021-3 V2.1.2 (2006-01)
MEASUREMENT AND TEST REPORT

For

Xingtel Xiamen Group Co., Ltd.

Xingtel Building, Chuangxin Road, Torch Hi-Tech Industrial District,

Xiamen 361006, PR China

Model: XL-2105IDM, TK-6060

Report Type:	**Product Type:**
Original Report	Corded Phone

Test Engineer:	Eric Lee
Report Number:	RSZ11032702-21
Report Date:	2011-12-31
Reviewed By:	Lisa Zhu EMC Engineer
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008

TABLE OF CONTENTS

GENERAL INFORMATION

Compliance Test Report

Test Specification: ETSI ES 203 021-1 V2.1.1 (2005-08)
ETSI ES 203 021-2 V2.1.2 (2006-01)
ETSI ES 203 021-3 V2.1.2 (2006-01)

Description Attachment requirements for pan-European approval for connection to the analogue Public Switched TELEPHONE Networks (PSTNs) of TE supporting the voice telephony service in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signalling.

Report/Job Number	1000322
Job Reference	RSZ11032702-21
Customer	Xingtel Xiamen Group Co., Ltd.
Product	Corded Phone
M/N:	XL-2105IDM, TK-6060
Report Prepared By	Eric Lee
Position	Test Engineer
Date Prepared	2011-03-15
Report Authorized By	Lisa Zhu
Position	EMC Engineer
Date Authorized	2011-06-01

Total Number of Pages in this report (including this page): 205

1. – LABORATORY DETAILS

Laboratory Name:	Bay Area Compliance Laboratories Corp. (Shenzhen)
Laboratory Address:	6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China
Laboratory Telephone :	+86-755-33320018
Laboratory Fax:	+86-755-33320008
Laboratory E-mail:	johnc@baclcorp.com
Laboratory Website:	www.baclcorp.com
Contact Name:	John Chan

2. – CUSTOMER DETAILS

Customer Name:	Xingtel Xiamen Group Co., Ltd.
Customer Address:	Xingtel Buliding,Chuangxin Road,Torch Hi-Tech Industrial District,Xiamen 361006,PR China
Customer Telephone:	86-592-5625929
Customer Fax:	86-592-6037860
Contact Name	Simon Liu
Manufacturer Name:	Xingtel Xiamen Group Co., Ltd.
Manufacturer Address:	Xingtel Buliding,Chuangxin Road,Torch Hi-Tech Industrial District,Xiamen 361006,PR China

3. – EQUIPMENT UNDER TEST

Product Type:	Corded Phone
Product Model:	XL-2105IDM

Samples Submitted for Test

Sample Number	Sample Ref.	Date Logged	Description	Model Number	Serial Number	Category
1	RSZ11032702-21	4/1/2011	Corded Phone	XL-2105IDM	1103051	EUT

Modifications for Sample Number: 1

Modification Number	Modification Description	Reason for Modification	Modification Date
0	As Submitted	/	/

**Note: The product Corded Phone, the model TK-6060 is electrically and mechanically identical with the model XL-2105IDM, the difference between them is explained in the attached declaration letter.*

4. – ENVIRONMENTAL DATA

All measurements were made within the climatic conditions specified in ETSI ES 203 021-1 V2.1.1 (2005-08), ETSI ES 203 021-2 V2.1.2 (2006-01), and ETSI ES 203 021-3 V2.1.2 (2006-01).

5. – TEST EQUIPMENT UTILISED

System Type: PSTN21, Product Code: PRD010, Revision Number: 1.0, Serial Number: 0016.

6. – MEASUREMENT UNCERTAINTY

The test equipment utilized is maintained and calibrated to ensure that measurement uncertainties fall within the limits specified in ADLNB document GN/WG2/1 "Guidance Notes On Measurement Uncertainty" dated 19 March 1998.

7. – TEST REPORT SUMMARY

Testing was completed against all relevant requirements of the test standard. The results obtained indicate that the product under test complies in full with the requirements tested.

A summary of the test status of the product under test with respect to each test requirement of the standard is provided in section **9** on page **8** and page **9** of this report.

Detailed test results are presented in section **10** following page **10** of this report.

8. – CONDITIONS TABLE

ETSI ES 203 021-1 V2.1.1 (2005-08)

The EUT has been declared to support the following features.		
Reference	**Condition**	**Supported By EUT**
C.1.	Is the TE intended for use on the PSTN?	Yes
C.2.	Is the TE intended for 2-wire analogue leased lines (A2O and A2S)?	No
C.3.	Is the TE intended for 4-wire analogue leased lines (A4O and A4S)?	No

ETSI ES 203 021-2 V2.1.2 (2006-01)

The EUT has been declared to support the following features.		
Reference	**Condition**	**Supported By EUT**
C.1.	Is the TE intended for 2-wire analogue leased lines?	No
C.2.	Is the TE intended for 4-wire analogue leased lines?	No
C.3.	Is the TE intended the connection to the PSTN?	Yes
C.4.	Is the TE intended to have a connection to earth?	No
C.5.	Is the TE intended to be in loop state?	Yes
C.6.	Is the TE intended for call answer?	Yes
C.7.	Is the TE intended for call set-up?	Yes
C.8.	Is the TE intended for dialing with DTMF?	Yes
C.9.	Is the TE intended for automatic dialing with dial tone detection?	No
C.10.	Is the TE intended for use in receiving mode?	Yes
C.11.	Is the TE intended for use in transmitting mode?	Yes
C.12.	Is the TE only intended to function on lines that provide more than 18mA of line current?	No
C.13.	Is the TE intended for making internally generated automatically repeated call attempts?	No

ETSI ES 203 021-3 V2.1.2 (2006-01)

The EUT has been declared to support the following features.		
Reference	**Condition**	**Supported By EUT**
C.1.	Is the TE intended to interwork on a low voltage line?	No
C.2.	Is the TE intended to have a connection to earth?	No
C.3.	Is the TE intended to be in the loop state?	Yes
C.4.	Is the TE intended for call answer?	Yes
C.5.	Is the TE intended for call set-up?	Yes
C.6.	Is the TE intended for dialing with DTMF?	Yes
C.7.	Is the TE intended for automatic dialing without dial tone detection?	No
C.8.	Is the TE intended for automatic dialing with dial tone detection?	No
C.9.	Is the TE intended for automatic controlled signaling tone duration?	Yes
C.10.	Is the TE intended for automatic controlled signaling pause duration?	Yes
C.11.	Is the TE only intended to function on lines that provide more than 18 mA of line current?	No
C.12.	Is the TE intended for Pulse Dialing?	Yes
C.13.	Is the TE intended for Register Recall?	Yes
C14	Is the TE able to go off-hook during a ringing pulse?	No

9. – TEST RECORD

ETSI ES 203 021-1 V2.1.1 (2005-08)

Clause	Clause Title	Test Status
Clause 4.2.1	6-contact plug (or socket) as specified in TIA/EIA/IS-968 [1]	Pass
Clause 4.2.2(a)	8-contact plug as specified in ISO/IEC 8877 [3]	Not Required
Clause 4.2.2(b)	Contacts for termination of solid wire conductors	Not Required
Clause 4.2.2(c)	Un-terminated solid wire conductors	Not Required
Clause 4.2.3(a)	8-contact plug as specified in ISO/IEC 8877 [3]	Not Required
Clause 4.2.3(b)	Contacts for termination of solid wire conductors	Not Required
Clause 4.2.3(c)	Un-terminated solid wire conductors	Not Required

ETSI ES 203 021-2 V2.1.2 (2006-01)

Clause	Clause Title	Test Status
Clause 4.1.1	Impedance Unbalance About Earth In The Quiescent State	Not Required
Clause 4.1.2.1	Longitudinal Conversion Loss In The Loop State	Not Required
Clause 4.1.2.2	Output Signal Balance	Not Required
Clause 4.2.1	Mean Sending Level	Pass
Clause 4.2.2	Instantaneous Voltage	Pass
Clause 4.2.3	Sending Level In A 10Hz Bandwidth	Not Required
Clause 4.2.4	Sending Levels Between 4.3kHz and 200kHz	Pass
Clause 4.2.5	Sending Level From 200kHz to 30MHz	Pass
Clause 4.3	Power feeding limitations	Pass
Clause 4.4	Automatically Repeated Call Attempts	Not Required

ETSI ES 203 021-3 V2.1.2 (2006-01)

Clause	Clause Title	Test Status
Clause 4.3	Polarity	Pass
Clause 4.4.1	DC Resistance	Pass
Clause 4.4.2.1	Impedance	Pass
Clause 4.4.2.2	Transient Response	Pass
Clause 4.4.2.3	DC Current	Pass
Clause 4.4.3	Resistance To Earth	Not Required
Clause 4.4.4	Impedance	Pass
Clause 4.5	Ringing Signal Detector Sensitivity	Pass
Clause 4.6.1	Acceptance Of Breaks In The Loop In A Call Attempt	Pass
Clause 4.6.2	Loop Current Characteristics	Pass
Clause 4.6.3	On-hook to off-hook transition with ringing without DC	Not Required
Clause 4.6.4	Ring Trip	Not Required
Clause 4.7.1	DC Characteristics	Pass
Clause 4.7.2	Impedance	Pass
Clause 4.7.3	Resistance To Earth	Not Required
Clause 4.8.1.1	Dialing Without Dial Tone Detection	Not Required
Clause 4.8.1.2	Dialing With Dial Tone Detection	Not Required
Clause 4.8.2.1	Frequency combinations	Pass
Clause 4.8.2.2.1	Absolute levels	Pass
Clause 4.8.2.2.2	Level difference	Pass
Clause 4.8.2.3	Unwanted Frequency Components	Pass
Clause 4.8.2.4	Tone Duration	Pass
Clause 4.8.2.5	Pause Duration	Pass
Clause 4.8.3	Pulse dialing	Pass
Clause 4.8.4	Register recall	Pass
Clause 4.8.5	Call attempt on a low voltage line	Not Required
Clause 4.9	Transition From Loop To Quiescent State	Pass

10. – DETAILED TEST RESULTS

ES203 021-1

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause: Clause 4.2.1, PSTN						
ID	5202	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES 203 021-1 V2.1.1(2005-08)					
Purpose Of Test	To check that single line EUT shall provide a connector either as a plug or socket compatible with FCC 47 CFR 68.500 clause (a) or clause (b)					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State						
Test Class		**Engineer**		Eric Lee		
Date & Time	Fri 01/Apr/2011 15:16:08	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass

Test Condition:

Physical Characteristics Of The Connection To The PSTN

The EUT shall provide a connector either as a plug or as a socket. The connector, if a plug, shall be capable of connecting with the miniature 6-position sockt as specified in FCC 47. CFR 68.500 [1] clause (b) and if a socket, shall be capable of connecting with a miniature 6-position plug as specified in FCC 47.CFR 68.500[1] clause (a).

This connector is often referred to as RJ11/12

The contact assignments for the connector shall be as follows:

Contact Number	Contact Assignment
1	Unspecified
2	Unspecified
3/4	TCP
5	Unspecified
6	Unspecified

Check by visual inspection that the EUT is supplied with a connection as described above. If satisfied, click the status button below to indicate "Pass", if not click button to indicate "Fail"

Status

Pass

Note: Above requirement applies only to "Single Line" EUT. For Multi-Line EUT, alternative connection arrangements are allowed. For Multi-line equipment, click status box to indicate "Pass"

ES203 021-2

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause 4.2.1, Mean Sending Level						
ID	5228	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES203021-2 v2.1.2 January 2006					
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Off Hook (on line) quiet(handset)					
Test Class	Engineering Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 14:01:36	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass

Test Condition 1, 2800Ohms, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Total Power In Band Measurements Units: dBV, with reference to 1 Vrms
RMS Integration Time Used For Measurements: 100ms

Mean Power Level measured in the band: 200 Hz, To 3.8k Hz, With A Flat Weighting
Measured Over A Period Of 60 Secs
Measured Mean Power Level Must Be <= -9.7 dB
Measured Mean Power: -29.13 dB
Measured Mean Power Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 400Ohms, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Total Power In Band Measurements Units: dBV, with reference to 1 Vrms
RMS Integration Time Used For Measurements: 100ms

Mean Power Level measured in the band: 200 Hz, To 3.8k Hz, With A Flat Weighting
Measured Over A Period Of 60 Secs
Measured Mean Power Level Must Be <= -9.7 dB
Measured Mean Power: -23.3 dB
Measured Mean Power Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.1, Mean Sending Level					
ID	5228	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:01:36	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2800Ohms, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Conduct Mean Total Power Measurement: 1 (0 = Do Not Test, 1 = Test)
Total Mean Power Level Minimum Frequency: 200 Hz
Total Mean Power Level Maximum Frequency 3.8k Hz
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Weighting Curve To Apply To Total Mean Power Measurements: Flat
Apply Total Mean Power Level Lower Test Limit: 0 (0 = Do Not Apply, 1 = Evaluate)
Measured Total Mean Power Must be <= -9.7 dB
Apply Total Mean Power Level Upper Test Limit: 1 (0 = Do Not Apply, 1 = Evaluate)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: 0.10 dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.1, Mean Sending Level

ID	5228	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:01:36	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 400Ohms, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Conduct Mean Total Power Measurement: 1 (0 = Do Not Test, 1 = Test)
Total Mean Power Level Minimum Frequency: 200 Hz
Total Mean Power Level Maximum Frequency 3.8k Hz
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Weighting Curve To Apply To Total Mean Power Measurements: Flat
Apply Total Mean Power Level Lower Test Limit: 0 (0 = Do Not Apply, 1 = Evaluate)
Measured Total Mean Power Must be <= -9.7 dB
Apply Total Mean Power Level Upper Test Limit: 1 (0 = Do Not Apply, 1 = Evaluate)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: 0.10 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.1, Mean Sending Level

ID	5228	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:01:36	**Temp**	25	**Humidity**	56

Test Details

Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.1, Mean Sending Level					
ID	5229	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:05:59	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 2800Ohms, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(speaker), Terminating Impedance: 270R+(750R//0.15uF)

Total Power In Band Measurements Units: dBV, with reference to 1 Vrms
RMS Integration Time Used For Measurements: 100ms

Mean Power Level measured in the band: 200 Hz, To 3.8k Hz, With A Flat Weighting
Measured Over A Period Of 60 Secs
Measured Mean Power Level Must Be <= -9.7 dB
Measured Mean Power: -28.65 dB
Measured Mean Power Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 400Ohms, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(speaker), Terminating Impedance: 270R+(750R//0.15uF)

Total Power In Band Measurements Units: dBV, with reference to 1 Vrms
RMS Integration Time Used For Measurements: 100ms

Mean Power Level measured in the band: 200 Hz, To 3.8k Hz, With A Flat Weighting
Measured Over A Period Of 60 Secs
Measured Mean Power Level Must Be <= -9.7 dB
Measured Mean Power: -29.59 dB
Measured Mean Power Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.1, Mean Sending Level					
ID	5229	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:05:59	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2800Ohms, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Conduct Mean Total Power Measurement: 1 (0 = Do Not Test, 1 = Test)
Total Mean Power Level Minimum Frequency: 200 Hz
Total Mean Power Level Maximum Frequency 3.8k Hz
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Weighting Curve To Apply To Total Mean Power Measurements: Flat
Apply Total Mean Power Level Lower Test Limit: 0 (0 = Do Not Apply, 1 = Evaluate)
Measured Total Mean Power Must be <= -9.7 dB
Apply Total Mean Power Level Upper Test Limit: 1 (0 = Do Not Apply, 1 = Evaluate)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: 0.10 dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.1, Mean Sending Level

ID	5229	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:05:59	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 400Ohms, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Conduct Mean Total Power Measurement: 1 (0 = Do Not Test, 1 = Test)
Total Mean Power Level Minimum Frequency: 200 Hz
Total Mean Power Level Maximum Frequency 3.8k Hz
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Weighting Curve To Apply To Total Mean Power Measurements: Flat
Apply Total Mean Power Level Lower Test Limit: 0 (0 = Do Not Apply, 1 = Evaluate)
Measured Total Mean Power Must be <= -9.7 dB
Apply Total Mean Power Level Upper Test Limit: 1 (0 = Do Not Apply, 1 = Evaluate)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: 0.13 dB
Measured Max Power Level: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.1, Mean Sending Level

ID	5229	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that the mean sending level in the frequency range 200Hz to 3800Hz over a one minute period shall not be greater than -9.7dBV when the EUT interface is terminated with the reference impedance ZR.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:05:59	**Temp**	25	**Humidity**	56

Test Details

Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.2, Instantaneous Voltage					
ID	5230	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:10:57	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 2800Ohms Feed Resistance, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Maximum Instantaneous Voltage pktopk measured in the band: 200 Hz, To 3.8k Hz
Measured Over A Period Of 10 Secs
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Measured Instantaneous Voltage: 2.916 Vpktotpk
Measured Instantaneous Voltage Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 400Ohms Feed Resistance, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Maximum Instantaneous Voltage pktopk measured in the band: 200 Hz, To 3.8k Hz
Measured Over A Period Of 10 Secs
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Measured Instantaneous Voltage: 0.1916 Vpktotpk
Measured Instantaneous Voltage Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.2, Instantaneous Voltage					
ID	5230	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:10:57	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2800Ohms Feed Resistance, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Conduct Instantaneous Voltage Test: 1 (0 = Do Not Test, 1 = Test)
Instantaneous Voltage Test Minimum Frequency: 200 Hz
Instantaneous Voltage Test Maximum Frequency: 3.8k Hz
Instantaneous Voltage Evaluated Over 10 Secs
Apply Measured Instantaneous Voltage Lower Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Apply Instantaneous Voltage Upper Limit: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: 1.18 %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.2, Instantaneous Voltage

ID	5230	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:10:57	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 400Ohms Feed Resistance, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Conduct Instantaneous Voltage Test: 1 (0 = Do Not Test, 1 = Test)
Instantaneous Voltage Test Minimum Frequency: 200 Hz
Instantaneous Voltage Test Maximum Frequency: 3.8k Hz
Instantaneous Voltage Evaluated Over 10 Secs
Apply Measured Instantaneous Voltage Lower Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Apply Instantaneous Voltage Upper Limit: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: 1.16 %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.2, Instantaneous Voltage					
ID	5230	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:10:57	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.2, Instantaneous Voltage					
ID	5231	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(Speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:15:14	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			
Test Result					
Overall Test Status: Pass					

Test Condition 1, 2800Ohms Feed Resistance, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Maximum Instantaneous Voltage pktopk measured in the band: 200 Hz, To 3.8k Hz
Measured Over A Period Of 10 Secs
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Measured Instantaneous Voltage: 0.211 Vpktotpk
Measured Instantaneous Voltage Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 400Ohms Feed Resistance, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Maximum Instantaneous Voltage pktopk measured in the band: 200 Hz, To 3.8k Hz
Measured Over A Period Of 10 Secs
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Measured Instantaneous Voltage: 0.309 Vpktotpk
Measured Instantaneous Voltage Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.2, Instantaneous Voltage					
ID	5231	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(Speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:15:14	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2800Ohms Feed Resistance, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Conduct Instantaneous Voltage Test: 1 (0 = Do Not Test, 1 = Test)
Instantaneous Voltage Test Minimum Frequency: 200 Hz
Instantaneous Voltage Test Maximum Frequency: 3.8k Hz
Instantaneous Voltage Evaluated Over 10 Secs
Apply Measured Instantaneous Voltage Lower Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Apply Instantaneous Voltage Upper Limit: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: 1.16 %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.2, Instantaneous Voltage

ID	5231	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(Speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:15:14	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 400Ohms Feed Resistance, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Total Power Measurement Units: dBV
Total Power Reference Voltage Level for dBV measurements: 1 Vrms
Total Power Reference termination for dBm measurements: 600 Ohms
Total Mean Power Averaged Over A Total Period Of: 60 Secs
Conduct Instantaneous Voltage Test: 1 (0 = Do Not Test, 1 = Test)
Instantaneous Voltage Test Minimum Frequency: 200 Hz
Instantaneous Voltage Test Maximum Frequency: 3.8k Hz
Instantaneous Voltage Evaluated Over 10 Secs
Apply Measured Instantaneous Voltage Lower Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measured Instantaneous Voltage Must Be <= 5 Vpktopk
Apply Instantaneous Voltage Upper Limit: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: 1.16 %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.2.2, Instantaneous Voltage					
ID	5231	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To Check The Peak To Peak Voltage Of The TE Whilst Generating Representative Signals				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(Speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:15:14	**Temp**	25	**Humidity**	56

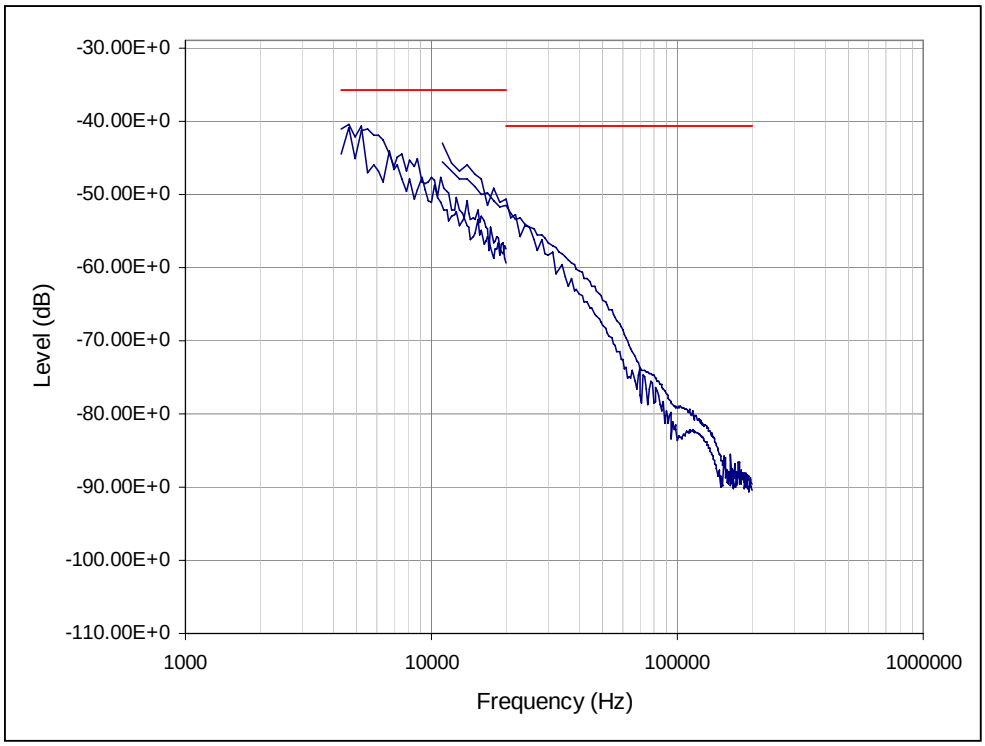
Test Details

Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling						
ID	5232	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES203021-2 v2.1.2 January 2006					
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Off Hook (on line) quiet(handset)					
Test Class	Engineering Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass



Test Condition 1, 4.3kHz to 20kHz, 2800 Ohms Feed Resistance, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 20.2k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 20kHz to 200kHz, 2800 Ohms Feed Resistance, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 3, 4.3kHz to 20kHz, 400 Ohms Feed Resistance, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 20.2k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 4, 20kHz to 200kHz, 400 Ohms Feed Resistance, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(handset), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 4.3kHz to 20kHz, 2800 Ohms Feed Resistance, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 20.2k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 20kHz to 200kHz, 2800 Ohms Feed Resistance, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56

Test Details

Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.12 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 3

Test Description: 4.3kHz to 20kHz, 400 Ohms Feed Resistance, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 20.2k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56

Test Details

Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 4

Test Description: 20kHz to 200kHz, 400 Ohms Feed Resistance, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5232	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:24:02	**Temp**	25	**Humidity**	56

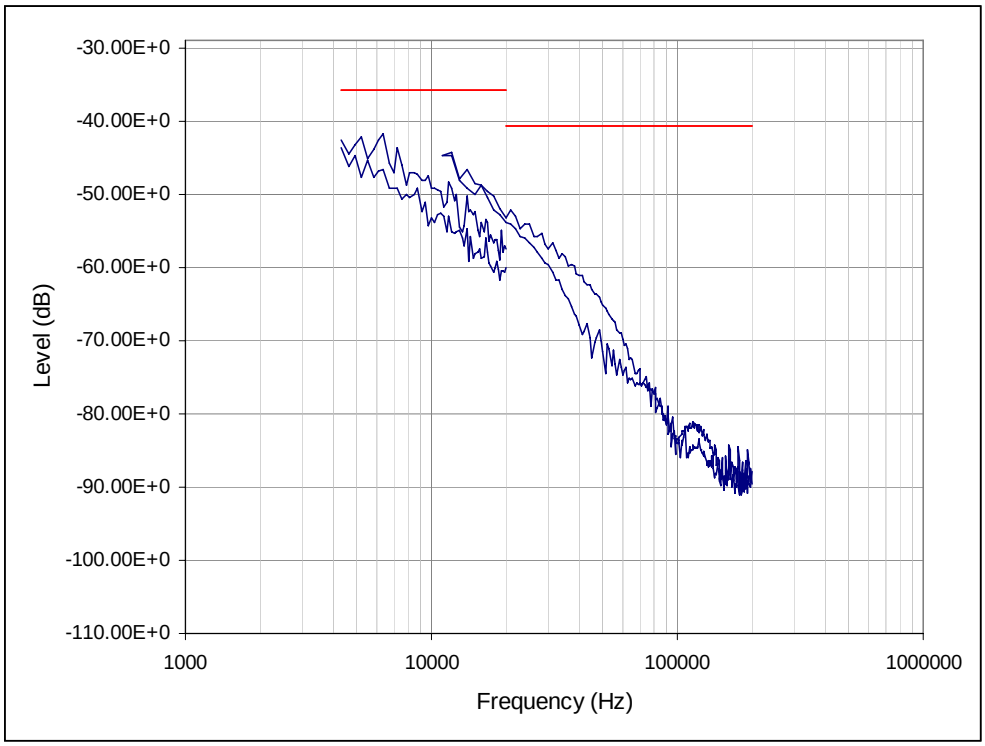
Test Details

For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.12 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling						
ID	5233	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES203021-2 v2.1.2 January 2006					
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Off Hook (on line) quiet(speaker)					
Test Class	Engineering Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass



Test Condition 1, 4.3kHz to 20kHz, 2800 Ohms Feed Resistance, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(speaker), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 20.2k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 20kHz to 200kHz, 2800 Ohms Feed Resistance, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(speaker), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 3, 4.3kHz to 20kHz, 400 Ohms Feed Resistance, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(speaker), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 20.2k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 4, 20kHz to 200kHz, 400 Ohms Feed Resistance, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet(speaker), Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 4.3kHz to 20kHz, 2800 Ohms Feed Resistance, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 20.2k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 20kHz to 200kHz, 2800 Ohms Feed Resistance, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56

Test Details

Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.12 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 3

Test Description: 4.3kHz to 20kHz, 400 Ohms Feed Resistance, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 20.2k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56

Test Details

Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 4

Test Description: 20kHz to 200kHz, 400 Ohms Feed Resistance, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.1, Sending Levels Between 4.3kHz and 200kHz During DTMF Signalling

ID	5233	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during DTMF dialling are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 14:29:00	**Temp**	25	**Humidity**	56

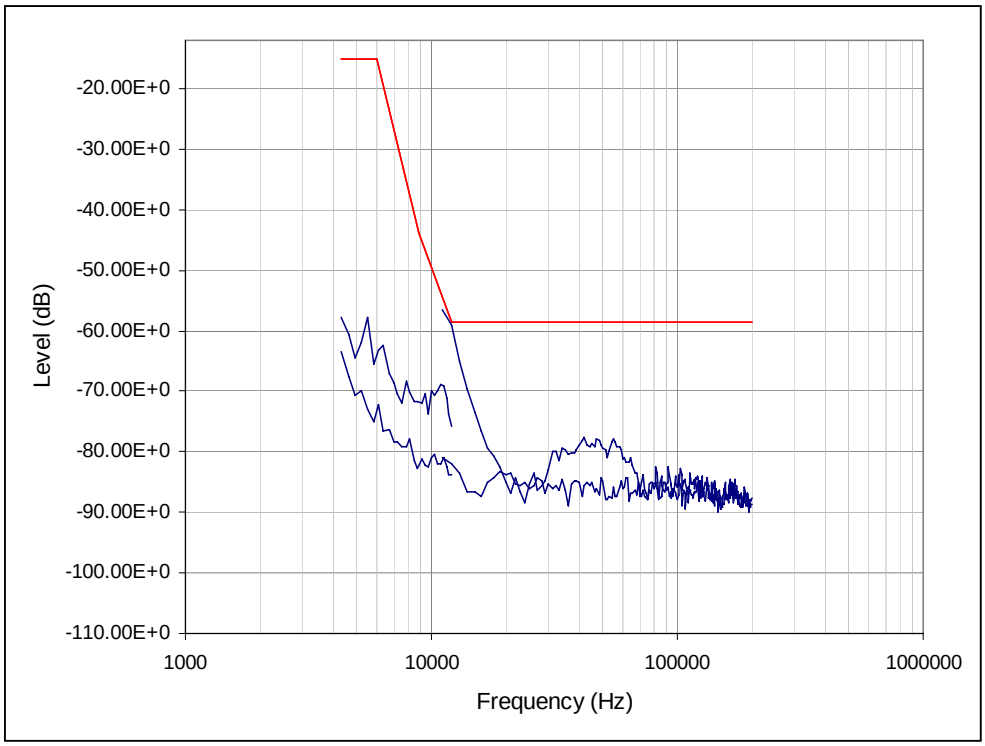
Test Details

For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.12 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication						
ID	5239	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES203021-2 v2.1.2 January 2006					
Purpose Of Test	To check that "out of band" frequency components during communication are within limits					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Off Hook (on line) quiet(handset)					
Test Class	Engineering Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass



Test Condition 1, 4.3kHz to 12kHz, 2800 Ohms, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 12.1k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5239	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition Status: Pass

Test Condition 2, 12kHz to 200kHz, 2800 Ohms Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 3, 4.3kHz to 12kHz, 400 Ohms Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 12.1k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 4, 12kHz to 200kHz, 400 Ohms, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5239	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 4.3kHz to 12kHz, 2800 Ohms, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 12.1k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5239	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 12kHz to 200kHz, 2800 Ohms Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5239	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56

Test Details

Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.84 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 3

Test Description: 4.3kHz to 12kHz, 400 Ohms Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 12.1k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5239	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56

Test Details

Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 4

Test Description: 12kHz to 200kHz, 400 Ohms, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5239	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:31:36	**Temp**	25	**Humidity**	56

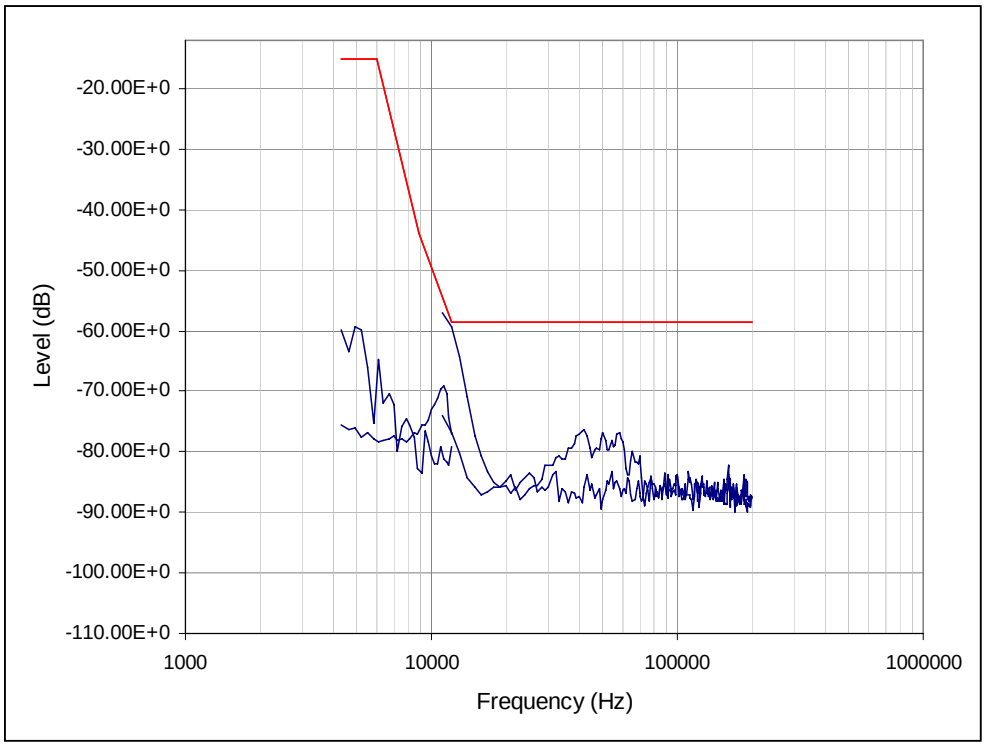
Test Details

For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.84 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication						
ID	5240	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES203021-2 v2.1.2 January 2006					
Purpose Of Test	To check that "out of band" frequency components during communication are within limits					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	speaker					
Test Class	Engineering Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass



Test Condition 1, 4.3kHz to 12kHz, 2800 Ohms, Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 12.1k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5240	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition Status: Pass

Test Condition 2, 12kHz to 200kHz, 2800 Ohms Normal Polarity

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 3, 4.3kHz to 12kHz, 400 Ohms Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 4.3k Hz, To 12.1k Hz, Measured With A RBW Of: 300 Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 4, 12kHz to 200kHz, 400 Ohms, Reverse Polarity

DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 270R+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 11k Hz, To 200k Hz, Measured With A RBW Of: 1k Hz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5240	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 4.3kHz to 12kHz, 2800 Ohms, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 12.1k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5240	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56

Test Details

Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 2

Test Description: 12kHz to 200kHz, 2800 Ohms Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5240	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56

Test Details

Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.84 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 3

Test Description: 4.3kHz to 12kHz, 400 Ohms Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 4.3k Ohms
Spectral Density Measurements Maximum Frequency: 12.1k Hz
Measurement Bandwidth For Spectral Density Measurements: 300 Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results
For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5240	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56

Test Details

Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.10 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

TestCondition 4

Test Description: 12kHz to 200kHz, 400 Ohms, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Line Current: 0 (0 = do not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance: 1 (0 = Do Not Set, 1 = Set)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H
Feedbridge DC Blocking Capacitance Per Leg: 500u F
During Test EUT Is Off Hook
EUT Is Off Hook When DC Line Current Exceeds: 5m A
Termination Impedance Rs: 270 Ohms
Termination Impedance Rp: 750 Ohms
Termination Impedance Cp: 0.15u F
External Analyser Connection Enabled During Test: 0 (0 = disabled, 1 = enabled)
rms measurements integrated over period of: 100ms
Conduct Spectral Density Measurement 1 (0 = Do Not Test, 1 = Test)
Measurement Units Used For Spectral Density Test: dBV
Reference Voltage Level For dBV Spectral Density Measurements: 1 Vrms
Reference Termination For dBm Spectral Density Measurements: 600 Ohms
Spectral Density Measurements Minimum Frequency: 11k Ohms
Spectral Density Measurements Maximum Frequency: 200k Hz
Measurement Bandwidth For Spectral Density Measurements: 1k Hz
Spectral Density Measurements Taken Over A Period Of: 10 Secs
Spectral Density Measurement Type: Peak Hold
Spectral Density Limits Are: Absolute
Apply Spectral Density Lower Test Limits: 0 (0 = Do Not Apply, 1 = Apply)
Apply Spectral Density Upper Test Limits: 1 (0 = Do Not Apply, 1 = Apply)
For Spectral Density Test Lower Limits, Please see test results

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.2.4.2, Sending Levels Between 4.3kHz and 200kHz During Communication

ID	5240	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that "out of band" frequency components during communication are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 15:37:30	**Temp**	25	**Humidity**	56

Test Details

For Spectral Density Test Upper limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Mean Power Level: N/A dB
Measured Max Power Level: N/A dB
Measured Instantaneous Voltage: N/A %
Measured Power Spectrum Within 20% Of Maximum Upper Limits Value: 0.84 dB
Measured Power Spectrum Within 20% Of Minimum Upper Limits Value: 0.11 dB
Measured Power Spectrum Within 20% Of Maximum Lower Limits Value: N/A dB
Measured Power Spectrum Within 20% Of Minimum Lower Limits Value: N/A dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause 4.2.5, Sending Level From 200kHz to 30MHz					
ID	5522	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that sending level of TE are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet, Test Condition 1: 200kHz to 30MHz, 2800 Ohms				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Wed 02/Apr/2011 14:21:12	**Temp** (℃)	25	**Humidity (%)**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 200 kHz to 30 MHz, 2800 Ohms

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 120R+(150R//0.047uF)+(750R//0.15uF)
Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 200k Hz, To 3 MHz, Measured With A RBW Of: 10 kHz
Power Spectrum measured in the band: 3 MHz, To 30 MHz, Measured With A RBW Of: 1 MHz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause 4.2.5, Sending Level From 200kHz to 30MHz					
ID	5522	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To check that sending level of TE are within limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (on line) quiet, Test Condition 1: 200kHz to 30MHz, 400 Ohms				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Wed 02/Apr/2011 14:21:12	**Temp** (℃)	25	**Humidity (%)**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 2, 200 kHz to 30 MHz, 400 Ohms

DC Feed Voltage: 50 Vdc, DC Feed Resistance: 400 Ohms
EUT was Off Hook, EUT generating signal: Off Hook (on line) quiet, Terminating Impedance: 120R+(150R//0.047uF)+(750R//0.15uF)

Power Spectrum Measurements Units: dBV, with reference to 1 Vrms
Power Spectrum measured in the band: 200k Hz, To 3 MHz, Measured With A RBW Of: 10 kHz
Power Spectrum measured in the band: 3 MHz, To 30 MHz, Measured With A RBW Of: 1 MHz
Measured Over A Period Of 10 Secs
Power Spectrum Type Is Peak Hold, Power Spectrum Limits Are Absolute
Measured Power Spectrum Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause 4.3, Power feeding limitations					
ID	5523	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-2 v2.1.2 January 2006				
Purpose Of Test	To verify that the TE does not feed the TN interface and the current through 300 Ohms is less than 1mA				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Wed 02/Apr/2011 14:41:12	**Temp(℃)**	25	**Humidity(%)**	56
		Tested With Auto Test Run (EUT Master): No			
Test Result					
Overall Test Status: Pass					

Test Condition 1,

DC Feed Resistance: 300 Ohms, DC Feed Polarity: Normal Polarity

DC Current Must Be <= 1m A

Measured DC Current: <1m A

DC Current Status Against Upper Limit: **Pass**

Test Condition Status: Pass

ES203 021-3

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.3, Polarity					
ID	5526	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT Conforms to the requirement of ETSI ES203021 for both polarities of line feeding voltage				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class		**Engineer**		Eric Lee	
Date & Time	Fri 02/Apr/2011 14:04:43	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			
Test Result					

Overall Test Status: Pass

Test Condition:

Polarity
EUT must conform to the requirements of ES 203 021 for both polarities of line feeding voltage
The PSTN21 ETSI ES203021 test procedures automatically switch line feeding polarity during testing. As such, if the EUT is found to comply with all other relevant requirements of ETSI ES203021 then click the status box below to indicate "Pass"
Status
Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.1, DC Resistance					
ID	5311	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT presents a resistance of at least 1 MOhm when tested at 25Vdc, 50Vdc and 100Vdc in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 12:22:12	**Temp**	22	**Humidity**	54
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 25Vdc Normal Polarity
DC Feed Voltage: 25 Vdc, Feed Voltage Polarity: Normal Polarity
Resistance Must Be >= 4M Ohms
Measured Resistance: 6.271M Ohms
Test Condition Status Pass

Test Condition 2, 25Vdc Reverse Polarity
DC Feed Voltage: 25 Vdc, Feed Voltage Polarity: Reverse Polarity
Resistance Must Be >= 4M Ohms
Measured Resistance: 6.471M Ohms
Test Condition Status Pass

Test Condition 3, 50Vdc Normal Polarity
DC Feed Voltage: 50 Vdc, Feed Voltage Polarity: Normal Polarity
Resistance Must Be >= 4M Ohms
Measured Resistance: 6.152M Ohms
Test Condition Status Pass

Test Condition 4, 50Vdc Reverse Polarity
DC Feed Voltage: 50 Vdc, Feed Voltage Polarity: Reverse Polarity
Resistance Must Be >= 4M Ohms
Measured Resistance: 6.244M Ohms
Test Condition Status Pass

Test Condition 5, 100Vdc Normal Polarity
DC Feed Voltage: 100 Vdc, Feed Voltage Polarity: Normal Polarity
Resistance Must Be >= 4M Ohms
Measured Resistance: 5.529M Ohms
Test Condition Status Pass

Test Condition 6, 100Vdc Reverse Polarity
DC Feed Voltage: 100 Vdc, Feed Voltage Polarity: Reverse Polarity
Resistance Must Be >= 4M Ohms
Measured Resistance: 5.562M Ohms
Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.1, DC Resistance					
ID	5311	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT presents a resistance of at least 1 MOhm when tested at 25Vdc, 50Vdc and 100Vdc in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 12:22:12	**Temp**	22	**Humidity**	54

Test Details

TestCondition 1

Test Description 25Vdc Normal Polarity
DC Feed Voltage 25 Vdc
DC Current limit 1 mAdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 20k Ohms
Time Waited Before Making Measurement 30 Seconds
Measurement Taken For 1 Seconds
Test Result Must Be Greater Than 4M Ohms
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC Resistance Within 25% Of Test Limit: 1.7%

TestCondition 2

Test Description 25Vdc Reverse Polarity
DC Feed Voltage 25 Vdc
DC Current limit 1 mAdc
Feed Voltage Polarity Reverse Polarity
Feed Resistance 20k Ohms
Time Waited Before Making Measurement 30 Seconds
Measurement Taken For 1 Seconds
Test Result Must Be Greater Than 4M Ohms
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC Resistance Within 25% Of Test Limit: 1.7%

TestCondition 3

Test Description 50Vdc Normal Polarity
DC Feed Voltage 50 Vdc
DC Current limit 1 mAdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 20k Ohms
Time Waited Before Making Measurement 30 Seconds
Measurement Taken For 1 Seconds

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.4.1, DC Resistance

ID	5311	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT presents a resistance of at least 1 MOhm when tested at 25Vdc, 50Vdc and 100Vdc in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 12:22:12	**Temp**	22	**Humidity**	54

Test Details

Test Result Must Be Greater Than 4M Ohms
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC Resistance Within 25% Of Test Limit: 1.7%

TestCondition 4

Test Description 50Vdc Reverse Polarity
DC Feed Voltage 50 Vdc
DC Current limit 1 mAdc
Feed Voltage Polarity Reverse Polarity
Feed Resistance 20k Ohms
Time Waited Before Making Measurement 30 Seconds
Measurement Taken For 1 Seconds
Test Result Must Be Greater Than 4M Ohms
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC Resistance Within 25% Of Test Limit: 1.7%

TestCondition 5

Test Description 100Vdc Normal Polarity
DC Feed Voltage 100 Vdc
DC Current limit 1 mAdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 20k Ohms
Time Waited Before Making Measurement 30 Seconds
Measurement Taken For 1 Seconds
Test Result Must Be Greater Than 4M Ohms
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC Resistance Within 25% Of Test Limit: 1.6%

TestCondition 6

Test Description 100Vdc Reverse Polarity
DC Feed Voltage 100 Vdc
DC Current limit 1 mAdc
Feed Voltage Polarity Reverse Polarity
Feed Resistance 20k Ohms

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.1, DC Resistance					
ID	5311	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT presents a resistance of at least 1 MOhm when tested at 25Vdc, 50Vdc and 100Vdc in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 12:22:12	**Temp**	22	**Humidity**	54

Test Details

Time Waited Before Making Measurement 30 Seconds
Measurement Taken For 1 Seconds
Test Result Must Be Greater Than 4M Ohms
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC Resistance Within 25% Of Test Limit: 1.6%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.1, Impedance					
ID	5309	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the EUT presents an impedance in the quiescent state during ringing within the specified range				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 09:52:35	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 50Vdc 25Hz 30Vrms Ringing

Ring Signal Voltage: 30 Vrms, Ring Signal Frequency: 25 Hz
DC Feed Voltage: 50 Vdc, Feed Resistance 2.05k Ohms, Feed Polarity: Normal Polarity

Magnitude Impedance Must Be>= 16k Ohms
Measured Magnitude Impedance: 17.99k Ohms
Magnitude Impedance Status: **Pass**

Measured Capacitance A To B: 1.087uF

Measured Real Part Of Impedance A To B: 17.01k Ohms

Test Condition Status: Pass

Test Condition 2, 0Vdc 25Hz 30Vrms Ringing

Ring Signal Voltage: 30 Vrms, Ring Signal Frequency: 25 Hz
DC Feed Voltage: 0 Vdc, Feed Resistance 2.05k Ohms, Feed Polarity: Normal Polarity

Magnitude Impedance Must Be>= 16k Ohms
Measured Magnitude Impedance: 17.59k Ohms
Magnitude Impedance Status: **Pass**

Measured Capacitance A To B: 1.137uF

Measured Real Part Of Impedance A To B: 16.67k Ohms

Test Condition Status: Pass

Test Condition 3, 50Vdc 50Hz 30Vrms Ringing

Ring Signal Voltage: 30 Vrms, Ring Signal Frequency: 50 Hz
DC Feed Voltage: 50 Vdc, Feed Resistance 2.05k Ohms, Feed Polarity: Normal Polarity

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.1, Impedance					
ID	5309	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the EUT presents an impedance in the quiescent state during ringing within the specified range				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 09:52:35	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Magnitude Impedance Must Be>= 16k Ohms
Measured Magnitude Impedance: 17.09k Ohms
Magnitude Impedance Status: **Pass**

Measured Capacitance A To B: 1.035uF

Measured Real Part Of Impedance A To B: 16.82k Ohms

Test Condition Status: Pass

Test Condition 4, 0Vdc 50Hz 30Vrms Ringing
Ring Signal Voltage: 30 Vrms, Ring Signal Frequency: 50 Hz
DC Feed Voltage: 0 Vdc, Feed Resistance 2.05k Ohms, Feed Polarity: Normal Polarity

Magnitude Impedance Must Be>= 16k Ohms
Measured Magnitude Impedance: 16.69k Ohms
Magnitude Impedance Status: **Pass**

Measured Capacitance A To B: 1.08uF

Measured Real Part Of Impedance A To B: 16.42k Ohms

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.1, Impedance					
ID	5309	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the EUT presents an impedance in the quiescent state during ringing within the specified range				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 09:52:35	**Temp**	20	**Humidity**	56

Test Details

TestCondition 1

Test Description 50Vdc 25Hz 30Vrms Ringing
DC Feed Voltage 50 Vdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 2.05k Ohms
Ring Signal Voltage 30 Vrms
Ring Signal Frequency 25 Hz
Ring Signal Calibrated At: EUT
Maximum Ring Voltage Applied For Calibration: 90 Vrms
Time Waited Before Making Measurement 5 Seconds
Overall Impedance Must Be >= 16k Ohms
Test Lower Limit = 1
Test Upper Limit = 0
Test Lower Limit For Capacitance = 0
Test Upper Limit For Capacitance = 0
Test Lower Limit For Real Component = 0
Test Upper Limit For Real Component = 0
Type Of REN Test TIA-EIA-IS-968 Type A REN
REN Lower Limit 0
Test Lower Limit 0 (0=Not Test, 1=Test)
REN Upper Limit 0
Test Upper Limit 0 (0=Not Test, 1=Test)
Report Worst Case REN For All Test Conditions 0 (1=Yes, 0=No)
Worst Case REN Based On High Value
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Overall Impedance: 1.31%
Capacitance A To B: 6.85%
Resistive Component A to B: 3.09%

TestCondition 2

Test Description 0Vdc 25Hz 30Vrms Ringing
DC Feed Voltage 0 Vdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 2.05k Ohms

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.4.2.1, Impedance

ID	5309	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the EUT presents an impedance in the quiescent state during ringing within the specified range				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 09:52:35	**Temp**	20	**Humidity**	56

Test Details

Ring Signal Voltage 30 Vrms
Ring Signal Frequency 25 Hz
Ring Signal Calibrated At: EUT
Maximum Ring Voltage Applied For Calibration: 90 Vrms
Time Waited Before Making Measurement 5 Seconds
Overall Impedance Must Be >= 16k Ohms
Test Lower Limit = 1
Test Upper Limit = 0
Test Lower Limit For Capacitance = 0
Test Upper Limit For Capacitance = 0
Test Lower Limit For Real Component = 0
Test Upper Limit For Real Component = 0
Type Of REN Test TIA-EIA-IS-968 Type A REN
REN Lower Limit 0
Test Lower Limit 0 (0=Not Test, 1=Test)
REN Upper Limit 0
Test Upper Limit 0 (0=Not Test, 1=Test)
Report Worst Case REN For All Test Conditions 0 (1=Yes, 0=No)
Worst Case REN Based On High Value
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Overall Impedance: 1.19%
Capacitance A To B: 6.72%
Resistive Component A to B: 2.86%

TestCondition 3

Test Description 50Vdc 50Hz 30Vrms Ringing
DC Feed Voltage 50 Vdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 2.05k Ohms
Ring Signal Voltage 30 Vrms
Ring Signal Frequency 50 Hz
Ring Signal Calibrated At: EUT
Maximum Ring Voltage Applied For Calibration: 90 Vrms
Time Waited Before Making Measurement 5 Seconds
Overall Impedance Must Be >= 16k Ohms
Test Lower Limit = 1
Test Upper Limit = 0
Test Lower Limit For Capacitance = 0

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.4.2.1, Impedance

ID	5309	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the EUT presents an impedance in the quiescent state during ringing within the specified range				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 09:52:35	**Temp**	20	**Humidity**	56

Test Details

Test Upper Limit For Capacitance = 0
Test Lower Limit For Real Component = 0
Test Upper Limit For Real Component = 0
Type Of REN Test TIA-EIA-IS-968 Type A REN
REN Lower Limit 0
Test Lower Limit 0 (0=Not Test, 1=Test)
REN Upper Limit 0
Test Upper Limit 0 (0=Not Test, 1=Test)
Report Worst Case REN For All Test Conditions 0 (1=Yes, 0=No)
Worst Case REN Based On High Value
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Overall Impedance: 1.30%
Capacitance A To B: 10.69%
Resistive Component A to B: 2.86%

TestCondition 4

Test Description 0Vdc 50Hz 30Vrms Ringing
DC Feed Voltage 0 Vdc
Feed Voltage Polarity Normal Polarity
Feed Resistance 2.05k Ohms
Ring Signal Voltage 30 Vrms
Ring Signal Frequency 50 Hz
Ring Signal Calibrated At: EUT
Maximum Ring Voltage Applied For Calibration: 90 Vrms
Time Waited Before Making Measurement 5 Seconds
Overall Impedance Must Be >= 16k Ohms
Test Lower Limit = 1
Test Upper Limit = 0
Test Lower Limit For Capacitance = 0
Test Upper Limit For Capacitance = 0
Test Lower Limit For Real Component = 0
Test Upper Limit For Real Component = 0
Type Of REN Test TIA-EIA-IS-968 Type A REN
REN Lower Limit 0
Test Lower Limit 0 (0=Not Test, 1=Test)
REN Upper Limit 0
Test Upper Limit 0 (0=Not Test, 1=Test)
Report Worst Case REN For All Test Conditions 0 (1=Yes, 0=No)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.1, Impedance					
ID	5309	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the EUT presents an impedance in the quiescent state during ringing within the specified range				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 09:52:35	**Temp**	20	**Humidity**	56

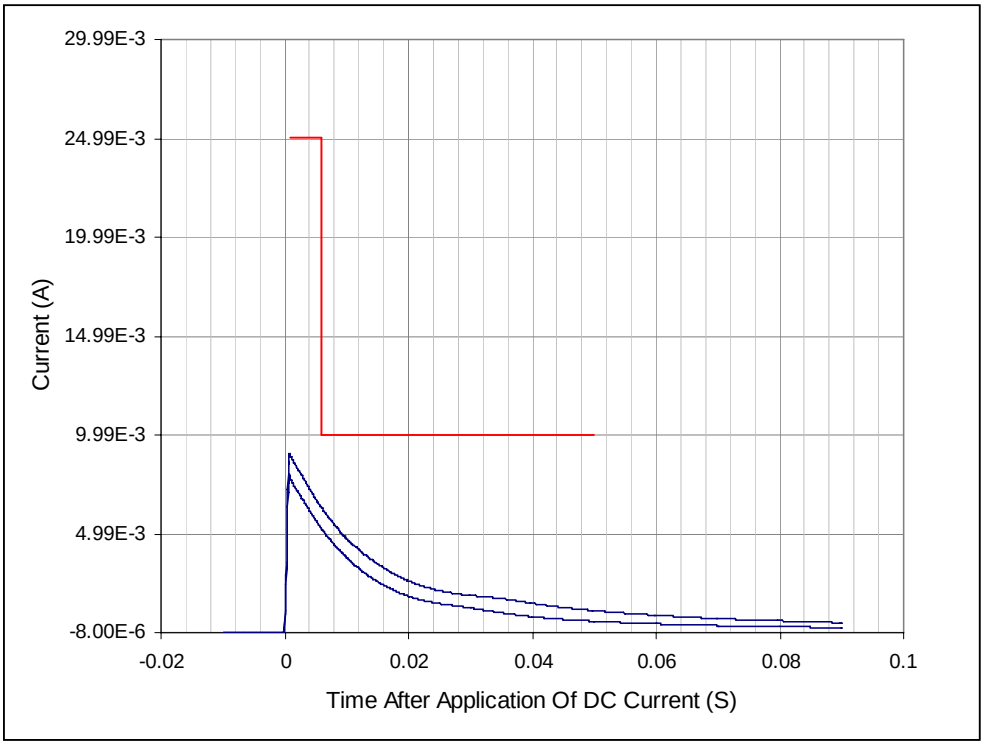
Test Details

Worst Case REN Based On High Value
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Overall Impedance: 1.19%
Capacitance A To B: 10.61%
Resistive Component A to B: 2.64%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.2, Transient Response					
ID	5312	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the transient DC characteristics of the EUT in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:32:45	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, 60Vdc Normal Polarity

DC Feed Voltage: 60 Vdc, Feed Resistance: 200 Ohms, Feed Polarity: 0

Status Against Upper Limits: **Pass, Test Condition Status: Pass**

Test Condition 2, 60Vdc Reverse Polarity

DC Feed Voltage: 60 Vdc, Feed Resistance: 200 Ohms, Feed Polarity: 1

Status Against Upper Limits: **Pass, Test Condition Status: Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.2, Transient Response					
ID	5312	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the transient DC characteristics of the EUT in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:32:45	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 60Vdc Normal Polarity
DC Feed Voltage: 60 Vdc
Feed Voltage Polarity: 0
Feed Resistance: 200 Ohms
Time Waited Before Making Measurement: 60 Seconds
Whilst In The Idle State EUT Is Short Circuited
Use Lower Limits: 0
Use Upper Limits: 1
For Lower Test Limits, Please see test results
For Upper Test Limits, Please see test results
Data To Capture Before Connecting EUT: 10m S
Data To Capture After Connecting EUT: 90m S
Trigger Threshold: 100u A
Trigger Slope: Positive
Trigger Validation Time: 0 Secs
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC current within 20% of maximum Upper Limit: 1.66%
Measured DC Current within 20% of minimum Upper Limit: 1.68%
Measured DC current within 20% of maximum Lower Limit: N/A%
Measured DC Current within 20% of minimum Lower Limit: N/A%
Transient Timing: 10.5uSecs

TestCondition 2

Test Description: 60Vdc Reverse Polarity
DC Feed Voltage: 60 Vdc
Feed Voltage Polarity: 1
Feed Resistance: 200 Ohms
Time Waited Before Making Measurement: 60 Seconds
Whilst In The Idle State EUT Is Short Circuited
Use Lower Limits: 0
Use Upper Limits: 1
For Lower Test Limits, Please see test results
For Upper Test Limits, Please see test results
Data To Capture Before Connecting EUT: 10m S

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.2, Transient Response					
ID	5312	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the transient DC characteristics of the EUT in the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:32:45	**Temp**	25	**Humidity**	56

Test Details

Data To Capture After Connecting EUT: 90m S
Trigger Threshold: 100u A
Trigger Slope: Positive
Trigger Validation Time: 0 Secs
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured DC current within 20% of maximum Upper Limit: 1.66%
Measured DC Current within 20% of minimum Upper Limit: 1.68%
Measured DC current within 20% of maximum Lower Limit: N/A%
Measured DC Current within 20% of minimum Lower Limit: N/A%
Transient Timing: 10.5uSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.3, DC Current					
ID	5313	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine if the DC component of ringing exceeds 0.6mA				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:35:57	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 60Vdc 25Hz 90Vrms Ringing, 60Vdc Normal Polarity
DC Feed Voltage: 60 Vdc, DC Feed Resistance: 850 Ohms, DC Feed Polarity: Normal Polarity
Ring Signal Voltage: 90 Vrms, Ring Signal Frequency: 25 Hz

DC Current Must Be <= 0.6m A
Measured DC Current: 0.2206m A
DC Current Status Against Upper Limit: **Pass**

Measured Resistance: 271.8k Ohms

Test Condition Status: Pass

Test Condition 2, 0Vdc 25Hz 90Vrms Ringing, 60Vdc Reverse Polarity
DC Feed Voltage: 0 Vdc, DC Feed Resistance: 850 Ohms, DC Feed Polarity: Reverse Polarity
Ring Signal Voltage: 90 Vrms, Ring Signal Frequency: 25 Hz

DC Current Must Be <= 0.6m A
Measured DC Current: <0.1m A
DC Current Status Against Upper Limit: **Pass**

Measured Resistance: 1k Ohms

Test Condition Status: Pass

Test Condition 3, 60Vdc 50Hz 90Vrms Ringing, 60Vdc, Normal Polarity
DC Feed Voltage: 60 Vdc, DC Feed Resistance: 850 Ohms, DC Feed Polarity: Normal Polarity
Ring Signal Voltage: 90 Vrms, Ring Signal Frequency: 50 Hz

DC Current Must Be <= 0.6m A
Measured DC Current: 0.1948m A
DC Current Status Against Upper Limit: **Pass**

Measured Resistance: 307.8k Ohms

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.4.2.3, DC Current

ID	5313	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine if the DC component of ringing exceeds 0.6mA				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:35:57	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 4, 0Vdc 50Hz 90Vrms Ringing, 60Vdc Reverse Polarity

DC Feed Voltage: 0 Vdc, DC Feed Resistance: 850 Ohms, DC Feed Polarity: Reverse Polarity
Ring Signal Voltage: 90 Vrms, Ring Signal Frequency: 50 Hz

DC Current Must Be <= 0.6m A
Measured DC Current: <0.1m A
DC Current Status Against Upper Limit: **Pass**

Measured Resistance: 1k Ohms

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.3, DC Current					
ID	5313	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine if the DC component of ringing exceeds 0.6mA				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:35:57	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description 60Vdc 25Hz 90Vrms Ringing, 60Vdc Normal Polarity
Ring Signal Voltage 90 Vrms
Ring Signal Frequency 25 Hz
DC Feed Voltage 60 Vdc
Feed Resistance 850 Ohms
DC Feed Voltage Polarity Normal Polarity
After Auto-ranging measurement system wait 5 Secs
Ringing Signal Applied For 0.4 Secs Before Making Measurements
Measurements taken over 10 complete cycles of ringing signal
Trigger Threshold 100u A
Trigger Slope Positive
Trigger Validation Time 0 Secs
Test Lower Limit For DC Current: 0
DC Current Must Be <= 0.6m A
Test Upper Limit For DC Current: 1
Test Lower Limit For DC Resistance: 0 Ohms
Test Upper Limit For DC Resistance: 0
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current & Resistance: 6.60%

TestCondition 2

Test Description 0Vdc 25Hz 90Vrms Ringing, 60Vdc Reverse Polarity
Ring Signal Voltage 90 Vrms
Ring Signal Frequency 25 Hz
DC Feed Voltage 0 Vdc
Feed Resistance 850 Ohms
DC Feed Voltage Polarity Reverse Polarity
After Auto-ranging measurement system wait 5 Secs
Ringing Signal Applied For 0.4 Secs Before Making Measurements
Measurements taken over 10 complete cycles of ringing signal
Trigger Threshold 100u A
Trigger Slope Positive
Trigger Validation Time 0 Secs
Test Lower Limit For DC Current: 0

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.4.2.3, DC Current

ID	5313	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine if the DC component of ringing exceeds 0.6mA				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:35:57	**Temp**	25	**Humidity**	56

Test Details

DC Current Must Be <= 0.6m A
Test Upper Limit For DC Current: 1
Test Lower Limit For DC Resistance: 0 Ohms
Test Upper Limit For DC Resistance: 0
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current & Resistance: Measurement Out Of Range

TestCondition 3

Test Description 60Vdc 50Hz 90Vrms Ringing, 60Vdc, Normal Polarity
Ring Signal Voltage 90 Vrms
Ring Signal Frequency 50 Hz
DC Feed Voltage 60 Vdc
Feed Resistance 850 Ohms
DC Feed Voltage Polarity Normal Polarity
After Auto-ranging measurement system wait 5 Secs
Ringing Signal Applied For 0.4 Secs Before Making Measurements
Measurements taken over 10 complete cycles of ringing signal
Trigger Threshold 100u A
Trigger Slope Positive
Trigger Validation Time 0 Secs
Test Lower Limit For DC Current: 0
DC Current Must Be <= 0.6m A
Test Upper Limit For DC Current: 1
Test Lower Limit For DC Resistance: 0 Ohms
Test Upper Limit For DC Resistance: 0
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current & Resistance: 7.43%

TestCondition 4

Test Description 0Vdc 50Hz 90Vrms Ringing, 60Vdc Reverse Polarity
Ring Signal Voltage 90 Vrms
Ring Signal Frequency 50 Hz
DC Feed Voltage 0 Vdc
Feed Resistance 850 Ohms
DC Feed Voltage Polarity Reverse Polarity
After Auto-ranging measurement system wait 5 Secs
Ringing Signal Applied For 0.4 Secs Before Making Measurements

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.2.3, DC Current					
ID	5313	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine if the DC component of ringing exceeds 0.6mA				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 13:35:57	**Temp**	25	**Humidity**	56

Test Details

Measurements taken over 10 complete cycles of ringing signal
Trigger Threshold 100u A
Trigger Slope Positive
Trigger Validation Time 0 Secs
Test Lower Limit For DC Current: 0
DC Current Must Be <= 0.6m A
Test Upper Limit For DC Current: 1
Test Lower Limit For DC Resistance: 0 Ohms
Test Upper Limit For DC Resistance: 0
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current & Resistance: Measurement Out Of Range

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.4.4, Impendance					
ID	5621	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	. to check whether the TE presents an impedance at least 40 kΩ between 200 Hz and 3400 Hz and at least 5 kΩ at 12 kHz and 16 kHz when tested at 1 Vrms in the quiescent state.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Fri 11/Apr/2011 19:25:51	**Temp (℃)**	25	**Humidity (%)**	45
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Conditon 1: 200Hz 1Vrms
Test DC Voltage: 9Vdc, with the EUT On Hook
Measured Resistance Must Be >= 40K Ohms
Measured Resistance: >100K Ohms
Status Against Lower Limit: **Pass**
Test Condition Status: Pass

Test Conditon 2: 4.3KHz 1Vrms
Test DC Voltage: 9Vdc, with the EUT On Hook
Measured Resistance Must Be >= 40K Ohms
Measured Resistance: >100K Ohms
Status Against Lower Limit: **Pass**
Test Condition Status: Pass

Test Conditon 3: 12KHz 1Vrms
Test DC Voltage: 9Vdc, with the EUT On Hook
Measured Resistance Must Be >= 5K Ohms
Measured Resistance: >50K Ohms
Status Against Lower Limit: **Pass**
Test Condition Status: Pass

Test Conditon 4: 16KHz 1Vrms
Test DC Voltage: 9Vdc, with the EUT On Hook
Measured Resistance Must Be >= 5K Ohms
Measured Resistance: >50K Ohms
Status Against Lower Limit: **Pass**
Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.5, Ringing Signal Detector Sensitivity					
ID	5315	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine the EUT's ability to respond as stated to ringing signals as specified by the supplier				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 16:47:50	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 50Vdc 25Hz 30Vrms Ringing
DC Feed Voltage: 50 Vdc, Feed Resistance 850 Ohms, Feed circuit polarity: Normal Polarity
TBR 21 Ring Signal 1: 25Hz, 30Vrms, 1 Sec On, 5 Sec Off
Type Of Test: Detection Of Ringing Signals
Type Of EUT: EUT With Manual Ring Detection Facility
EUT Responded To Ringing 0.1197 Secs After Start Of Ringing
Test Condition Status: Pass

Test Condition 2, 0Vdc 25Hz 30Vrms Ringing
DC Feed Voltage: 0 Vdc, Feed Resistance 850 Ohms, Feed circuit polarity: Normal Polarity
TBR 21 Ring Signal 1: 25Hz, 30Vrms, 1 Sec On, 5 Sec Off
Type Of Test: Detection Of Ringing Signals
Type Of EUT: EUT With Manual Ring Detection Facility
EUT Responded To Ringing 0.3603 Secs After Start Of Ringing
Test Condition Status: Pass

Test Condition 3, 50Vdc 50Hz 30Vrms Ringing
DC Feed Voltage: 50 Vdc, Feed Resistance 850 Ohms, Feed circuit polarity: Normal Polarity
TBR 21 Ring Signal 2: 50Hz, 30Vrms, 1 Sec On, 5 Sec Off
Type Of Test: Detection Of Ringing Signals
Type Of EUT: EUT With Manual Ring Detection Facility
EUT Responded To Ringing 0.2602 Secs After Start Of Ringing
Test Condition Status: Pass

Test Condition 4, 0Vdc 50Hz 30Vrms Ringing
DC Feed Voltage: 0 Vdc, Feed Resistance 850 Ohms, Feed circuit polarity: Normal Polarity
TBR 21 Ring Signal 2: 50Hz, 30Vrms, 1 Sec On, 5 Sec Off
Type Of Test: Detection Of Ringing Signals
Type Of EUT: EUT With Manual Ring Detection Facility
EUT Responded To Ringing 0.5001 Secs After Start Of Ringing
Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.5, Ringing Signal Detector Sensitivity					
ID	5315	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine the EUT's ability to respond as stated to ringing signals as specified by the supplier				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 16:47:50	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description 50Vdc 25Hz 30Vrms Ringing
DC Feed Voltage: 50 Vdc
Feed Resistance: 850 Ohms
Feed Circuit Polarity: Normal Polarity
Ring Signal: TBR 21 Ring Signal 1: 25Hz, 30Vrms, 1 Sec On, 5 Sec Off
Calibrate Ring Signal At: EUT
EUT Has Seized Line When DC Current Exceeds: 5m A
Ring Signal TBR 21 Ring Signal 1: 25Hz, 30Vrms, 1 Sec On, 5 Sec Off
Ring Signal Voltage: 30 Vrms
Ring Signal Frequency: 25 Hz
Ring Cadence Initial On 1: 0 Secs
Ring Cadence Initial Off 1: 0 Secs
Ring Cadence Initial On 2: 0 Secs
Ring Cadence Initial Off 2: 0 Secs
Ring Cadence Cyclic On 1: 1 Secs
Ring Cadence Cyclic Off 1: 5 Secs
Ring Cadence Cyclic On 2: 0 Secs
Ring Cadence Cyclic Off 2: 0 Secs
Ring Cadence Cyclic On 3: 0 Secs
Ring Cadence Cyclic Off 3: 0 Secs
Test Type: Detection Of Ringing Signals
Test EUT Must Not Answer Limit: 0 (1 = Test, 0 = Do Not Test)
Test EUT Must Answer Limit: 0 (1 = Test, 0 = No Test)
Ringing Overload Test Application Time: 2 Secs
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current Crossing Off-Hook Threshold: 1.70%
Timing On Detection Of EUT Going Off Hook: 0.12 Secs
Generated Ring Signal Voltage: 0.58Vrms
Generated Ring Signal Cadence Timing: 1.15%

TestCondition 2

Test Description 0Vdc 25Hz 30Vrms Ringing
DC Feed Voltage: 0 Vdc

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.5, Ringing Signal Detector Sensitivity

ID	5315	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine the EUT's ability to respond as stated to ringing signals as specified by the supplier				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 16:47:50	**Temp**	25	**Humidity**	56

Test Details

Feed Resistance: 850 Ohms
Feed Circuit Polarity: Normal Polarity
Ring Signal: TBR 21 Ring Signal 1: 25Hz, 30Vrms, 1 Sec On, 5 Sec Off
Calibrate Ring Signal At: EUT
EUT Has Seized Line When DC Current Exceeds: 5m A
Ring Signal TBR 21 Ring Signal 1: 25Hz, 30Vrms, 1 Sec On, 5 Sec Off
Ring Signal Voltage: 30 Vrms
Ring Signal Frequency: 25 Hz
Ring Cadence Initial On 1: 0 Secs
Ring Cadence Initial Off 1: 0 Secs
Ring Cadence Initial On 2: 0 Secs
Ring Cadence Initial Off 2: 0 Secs
Ring Cadence Cyclic On 1: 1 Secs
Ring Cadence Cyclic Off 1: 5 Secs
Ring Cadence Cyclic On 2: 0 Secs
Ring Cadence Cyclic Off 2: 0 Secs
Ring Cadence Cyclic On 3: 0 Secs
Ring Cadence Cyclic Off 3: 0 Secs
Test Type: Detection Of Ringing Signals
Test EUT Must Not Answer Limit: 0 (1 = Test, 0 = Do Not Test)
Test EUT Must Answer Limit: 0 (1 = Test, 0 = No Test)
Ringing Overload Test Application Time: 2 Secs
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current Crossing Off-Hook Threshold: 0.85%
Timing On Detection Of EUT Going Off Hook: 0.12 Secs
Generated Ring Signal Voltage: 0.58Vrms
Generated Ring Signal Cadence Timing: 1.15%

TestCondition 3

Test Description 50Vdc 50Hz 30Vrms Ringing
DC Feed Voltage: 50 Vdc
Feed Resistance: 850 Ohms
Feed Circuit Polarity: Normal Polarity
Ring Signal: TBR 21 Ring Signal 2: 50Hz, 30Vrms, 1 Sec On, 5 Sec Off
Calibrate Ring Signal At: EUT
EUT Has Seized Line When DC Current Exceeds: 5m A
Ring Signal TBR 21 Ring Signal 2: 50Hz, 30Vrms, 1 Sec On, 5 Sec Off
Ring Signal Voltage: 30 Vrms

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.5, Ringing Signal Detector Sensitivity

ID	5315	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine the EUT's ability to respond as stated to ringing signals as specified by the supplier				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 16:47:50	**Temp**	25	**Humidity**	56

Test Details

Ring Signal Frequency: 50 Hz
Ring Cadence Initial On 1: 0 Secs
Ring Cadence Initial Off 1: 0 Secs
Ring Cadence Initial On 2: 0 Secs
Ring Cadence Initial Off 2: 0 Secs
Ring Cadence Cyclic On 1: 1 Secs
Ring Cadence Cyclic Off 1: 5 Secs
Ring Cadence Cyclic On 2: 0 Secs
Ring Cadence Cyclic Off 2: 0 Secs
Ring Cadence Cyclic On 3: 0 Secs
Ring Cadence Cyclic Off 3: 0 Secs
Test Type: Detection Of Ringing Signals
Test EUT Must Not Answer Limit: 0 (1 = Test, 0 = Do Not Test)
Test EUT Must Answer Limit: 0 (1 = Test, 0 = No Test)
Ringing Overload Test Application Time: 2 Secs
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current Crossing Off-Hook Threshold: 1.70%
Timing On Detection Of EUT Going Off Hook: 0.12 Secs
Generated Ring Signal Voltage: 0.58Vrms
Generated Ring Signal Cadence Timing: 1.15%

TestCondition 4

Test Description 0Vdc 50Hz 30Vrms Ringing
DC Feed Voltage: 0 Vdc
Feed Resistance: 850 Ohms
Feed Circuit Polarity: Normal Polarity
Ring Signal: TBR 21 Ring Signal 2: 50Hz, 30Vrms, 1 Sec On, 5 Sec Off
Calibrate Ring Signal At: EUT
EUT Has Seized Line When DC Current Exceeds: 5m A
Ring Signal TBR 21 Ring Signal 2: 50Hz, 30Vrms, 1 Sec On, 5 Sec Off
Ring Signal Voltage: 30 Vrms
Ring Signal Frequency: 50 Hz
Ring Cadence Initial On 1: 0 Secs
Ring Cadence Initial Off 1: 0 Secs
Ring Cadence Initial On 2: 0 Secs
Ring Cadence Initial Off 2: 0 Secs
Ring Cadence Cyclic On 1: 1 Secs
Ring Cadence Cyclic Off 1: 5 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.5, Ringing Signal Detector Sensitivity

ID	5315	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine the EUT's ability to respond as stated to ringing signals as specified by the supplier				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State					
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Mon 11/Apr/2011 16:47:50	**Temp**	25	**Humidity**	56

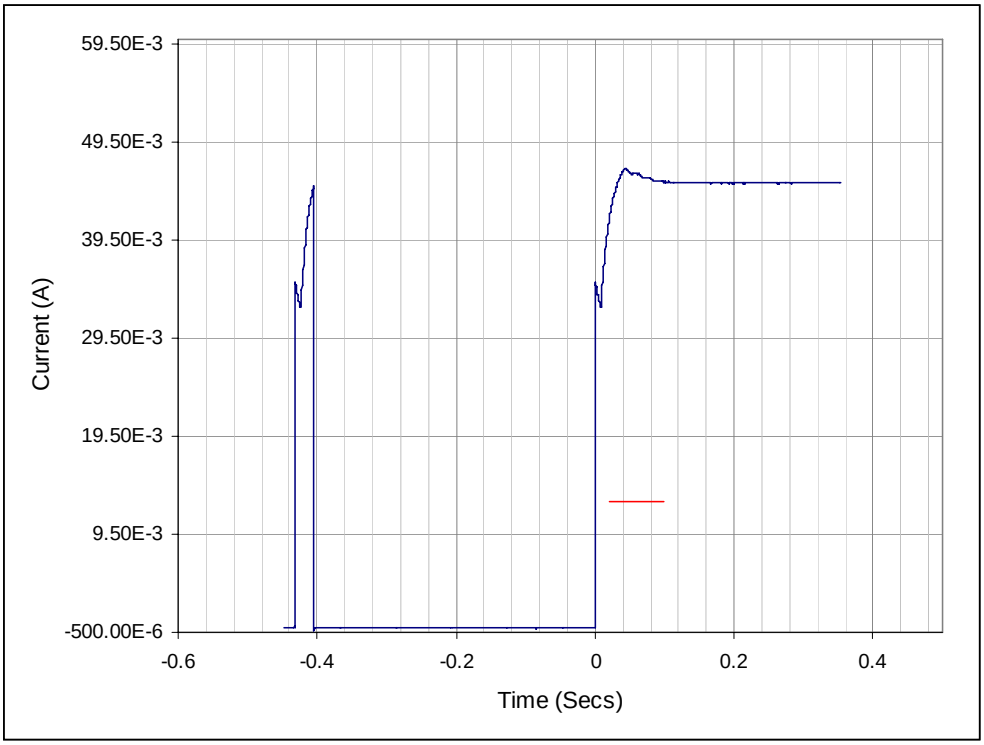
Test Details

Ring Cadence Cyclic On 2: 0 Secs
Ring Cadence Cyclic Off 2: 0 Secs
Ring Cadence Cyclic On 3: 0 Secs
Ring Cadence Cyclic Off 3: 0 Secs
Test Type: Detection Of Ringing Signals
Test EUT Must Not Answer Limit: 0 (1 = Test, 0 = Do Not Test)
Test EUT Must Answer Limit: 0 (1 = Test, 0 = No Test)
Ringing Overload Test Application Time: 2 Secs
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
DC Current Crossing Off-Hook Threshold: 0.85%
Timing On Detection Of EUT Going Off Hook: 0.12 Secs
Generated Ring Signal Voltage: 0.58Vrms
Generated Ring Signal Cadence Timing: 1.15%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5209	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 30mS Delay Before Break (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:03:03	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, 30mS Delay Before Break

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 850 Ohms
Line Interruption Applied 30m Secs After EUT Seized Line
Duration Of Line Interruption: 0.4 Secs
EUT Is Off Hook When Loop Current Exceeds: 12.8m A

Measured Loop Current May Fall Outside Test Limits For A Total Aggregated Period Of 0.007 Secs
Loop Current Fell Below Lower Test Limits For A Total Aggregated Period Of: 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5209	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 30mS Delay Before Break (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:03:03	**Temp**	25	**Humidity**	56

Test Details

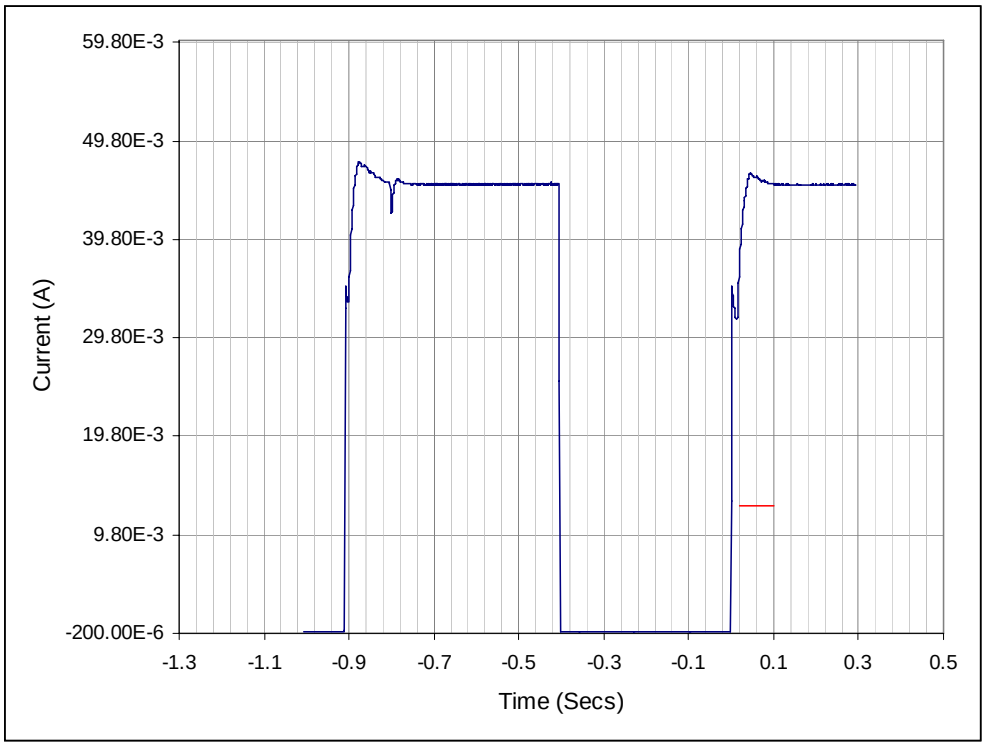
TestCondition 1

Test Description: 30mS Delay Before Break
DC Feed Voltage: 50 Vdc
Feed Resistance: 850 Ohms
Initial Feed Circuit Polarity Normal Polarity
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Delay Before Applying Line Interruption: 30m Secs
Duration Of Line Interruption: 0.4 Secs
After Applying Line Interruption Continue Measurements For A Further: 0.2 Secs
Loop Current Threshold For Restoration Of Loop: 100u A
Loop Current Is Allowed To Fall Outside Test Limits For A Maximum Period Of: 0.007 Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.243%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.243%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 20.99uSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5210	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 500ms Delay Before Break(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:04:00	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 2, 500ms Delay Before Break

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 850 Ohms
Line Interruption Applied 0.5 Secs After EUT Seized Line
Duration Of Line Interruption: 0.4 Secs
EUT Is Off Hook When Loop Current Exceeds: 12.8m A

Measured Loop Current May Fall Outside Test Limits For A Total Aggregated Period Of 0.007 Secs
Loop Current Fell Below Lower Test Limits For A Total Aggregated Period Of: 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5210	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 500ms Delay Before Break (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:04:00	**Temp**	25	**Humidity**	56

Test Details

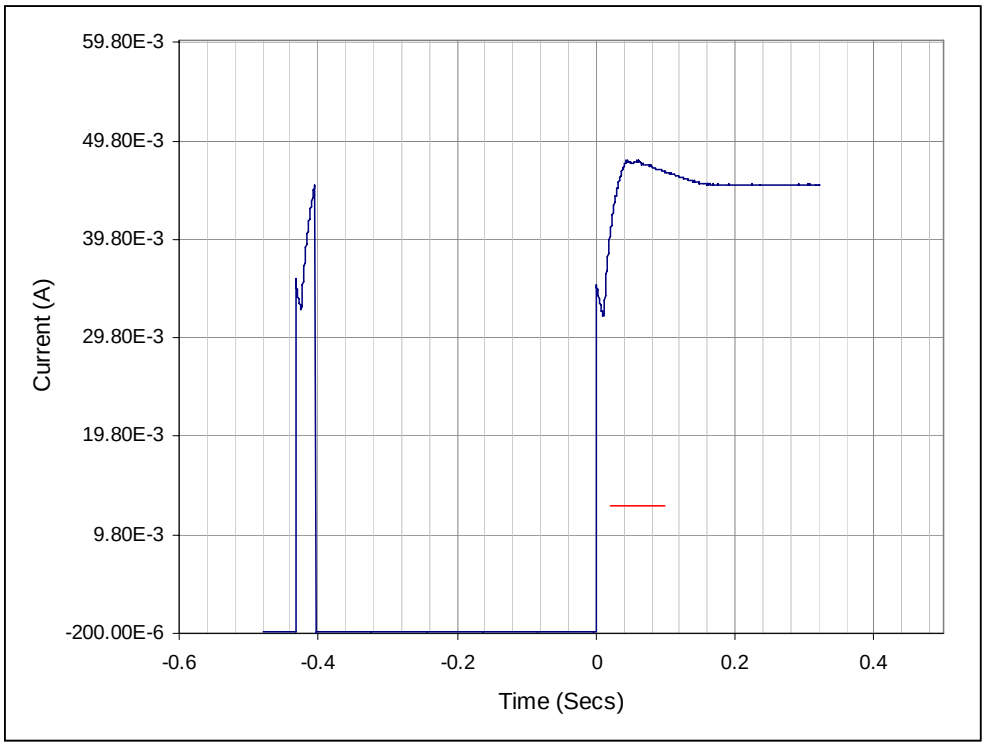
TestCondition 2

Test Description: 500ms Delay Before Break
DC Feed Voltage: 50 Vdc
Feed Resistance: 850 Ohms
Initial Feed Circuit Polarity Normal Polarity
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Delay Before Applying Line Interruption: 0.5 Secs
Duration Of Line Interruption: 0.4 Secs
After Applying Line Interruption Continue Measurements For A Further: 0.2 Secs
Loop Current Threshold For Restoration Of Loop: 100u A
Loop Current Is Allowed To Fall Outside Test Limits For A Maximum Period Of: 0.007 Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.243%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.243%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 20.99uSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5211	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 30mS Delay Before Break(sperker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:04:55	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, Test Condition 1: 30mS Delay Before Break

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 850 Ohms
Line Interruption Applied 30m Secs After EUT Seized Line
Duration Of Line Interruption: 0.4 Secs
EUT Is Off Hook When Loop Current Exceeds: 12.8m A

Measured Loop Current May Fall Outside Test Limits For A Total Aggregated Period Of 0.007 Secs
Loop Current Fell Below Lower Test Limits For A Total Aggregated Period Of: 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5211	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 30mS Delay Before Break(sperker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:04:55	**Temp**	25	**Humidity**	56

Test Details

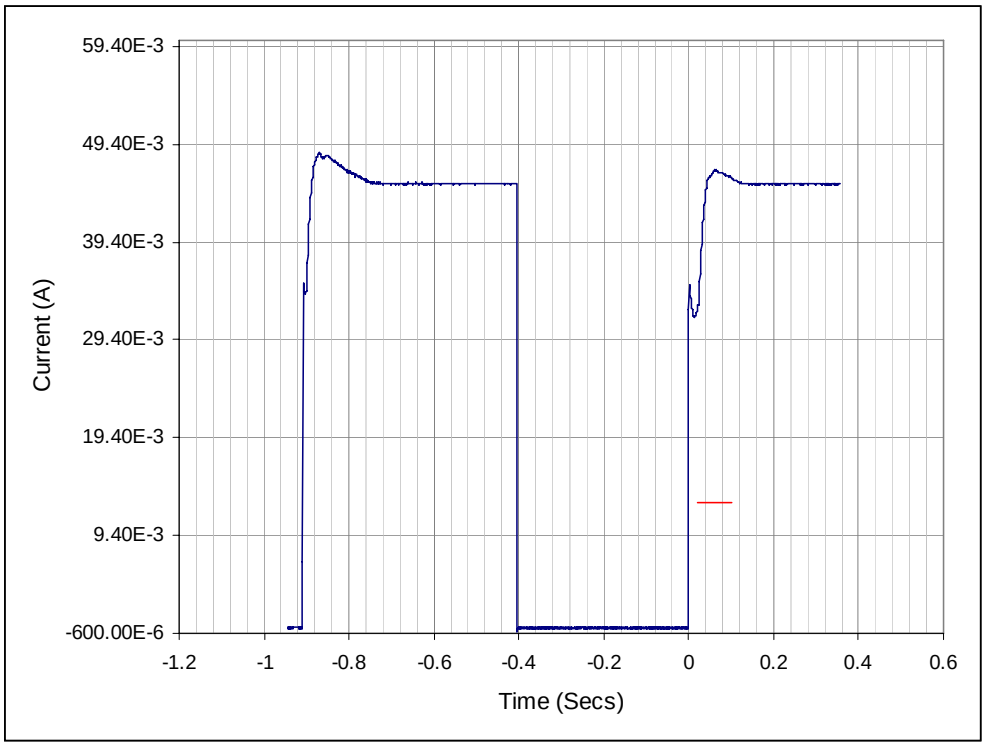
TestCondition 1

Test Description: Test Condition 1: 30mS Delay Before Break
DC Feed Voltage: 50 Vdc
Feed Resistance: 850 Ohms
Initial Feed Circuit Polarity Normal Polarity
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Delay Before Applying Line Interruption: 30m Secs
Duration Of Line Interruption: 0.4 Secs
After Applying Line Interruption Continue Measurements For A Further: 0.2 Secs
Loop Current Threshold For Restoration Of Loop: 100u A
Loop Current Is Allowed To Fall Outside Test Limits For A Maximum Period Of: 0.007 Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.243%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.243%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 20.99uSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5212	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 500ms Delay Before Break(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:05:57	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 2, Test Condition 2: 500ms Delay Before Break

DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 850 Ohms
Line Interruption Applied 0.5 Secs After EUT Seized Line
Duration Of Line Interruption: 0.4 Secs
EUT Is Off Hook When Loop Current Exceeds: 12.8m A

Measured Loop Current May Fall Outside Test Limits For A Total Aggregated Period Of 0.007 Secs
Loop Current Fell Below Lower Test Limits For A Total Aggregated Period Of: 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.1, Acceptance Of Breaks In The Loop In A Call Attempt					
ID	5212	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check that the EUT is capable of accepting short breaks in loop current during establishment of the loop state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 500ms Delay Before Break(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:05:57	**Temp**	25	**Humidity**	56

Test Details

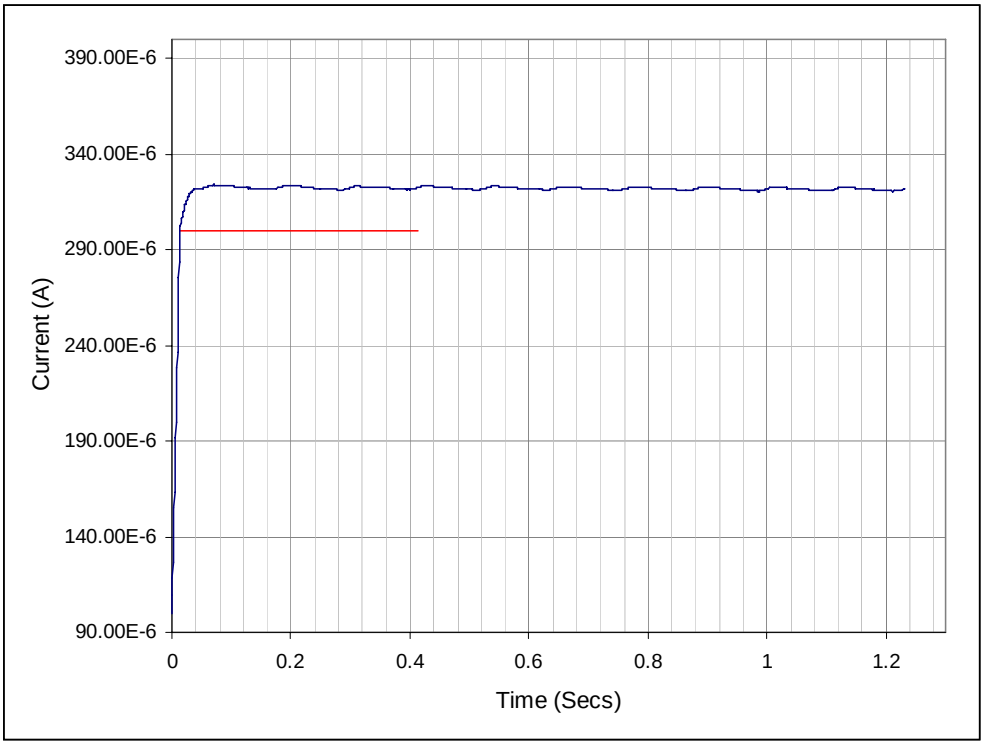
TestCondition 2

Test Description: Test Condition 2: 500ms Delay Before Break
DC Feed Voltage: 50 Vdc
Feed Resistance: 850 Ohms
Initial Feed Circuit Polarity Normal Polarity
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Delay Before Applying Line Interruption: 0.5 Secs
Duration Of Line Interruption: 0.4 Secs
After Applying Line Interruption Continue Measurements For A Further: 0.2 Secs
Loop Current Threshold For Restoration Of Loop: 100u A
Loop Current Is Allowed To Fall Outside Test Limits For A Maximum Period Of: 0.007 Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.243%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.243%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 20.99uSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5213	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 50Vdc, 150kohm (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:07:57	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, 50Vdc, 150kohm

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 150k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 13.45m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5213	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 50Vdc, 150kohm (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:07:57	**Temp**	25	**Humidity**	56

Test Details

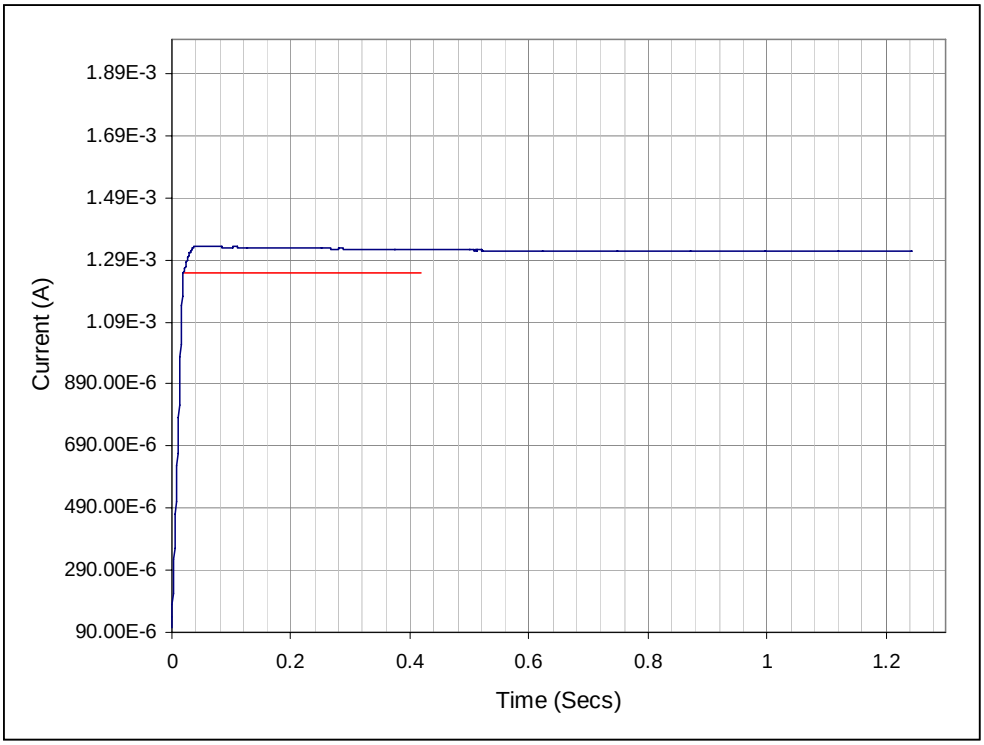
TestCondition 1

Test Description: 50Vdc, 150kohm
DC Feed Voltage: 50 Vdc
Feed Resistance: 150k Ohms
Feed Polarity Normal Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.191%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.191%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5214	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 50Vdc, 36kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:08:56	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 2, 50Vdc, 36kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 36k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 19.82m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5214	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 50Vdc, 36kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:08:56	**Temp**	25	**Humidity**	56

Test Details

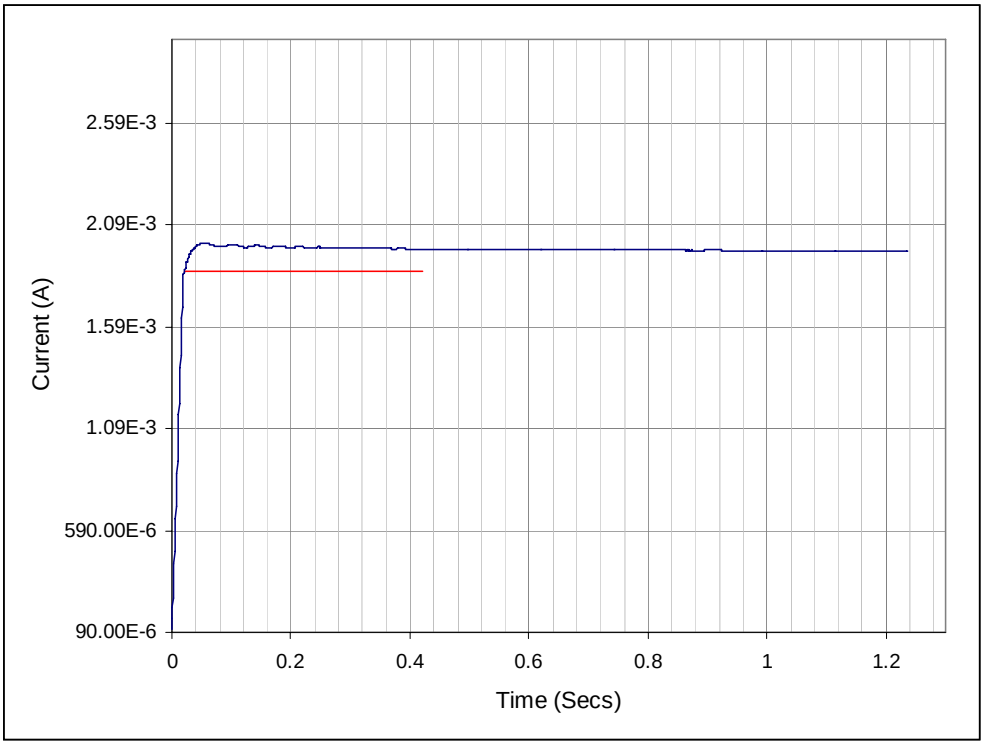
TestCondition 2

Test Description: 50Vdc, 36kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 36k Ohms
Feed Polarity Reverse Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.17%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.17%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5215	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 3: 50Vdc, 24kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:09:42	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 3, 50Vdc, 24kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 24k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 20.55m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5215	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 3: 50Vdc, 24kohms(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:09:42	**Temp**	25	**Humidity**	56

Test Details

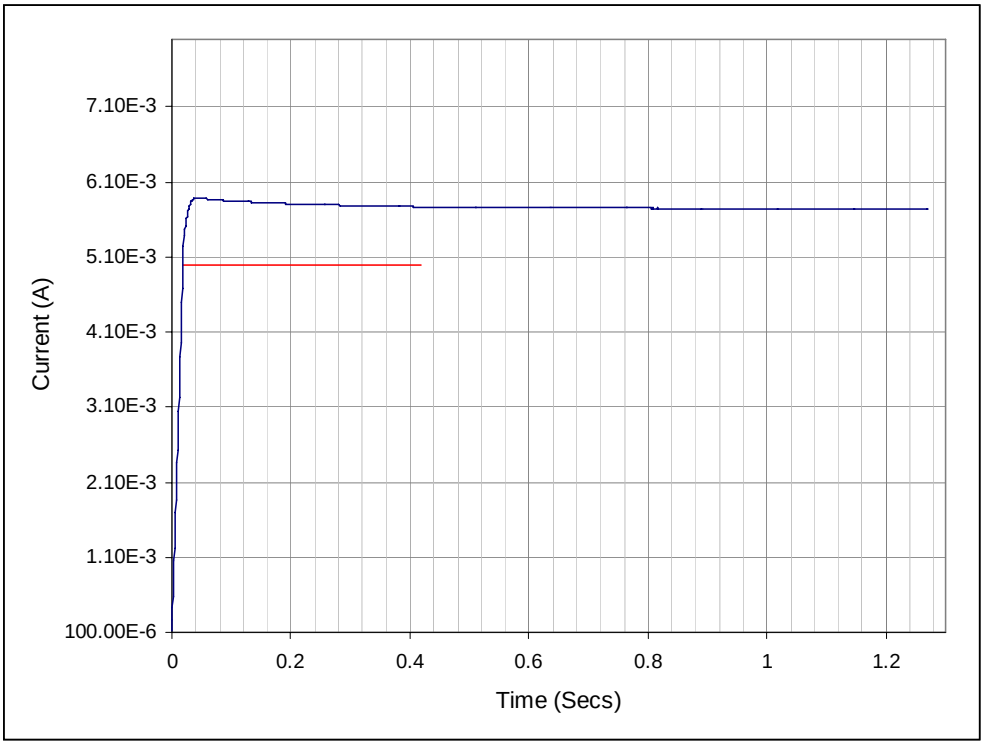
TestCondition 3

Test Description: 50Vdc, 24kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 24k Ohms
Feed Polarity Normal Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.165%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.165%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5216	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 4: 50Vdc, 8kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:10:38	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 4, 50Vdc, 8kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 8k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 18.27m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5216	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 4: 50Vdc, 8kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:10:38	**Temp**	25	**Humidity**	56

Test Details

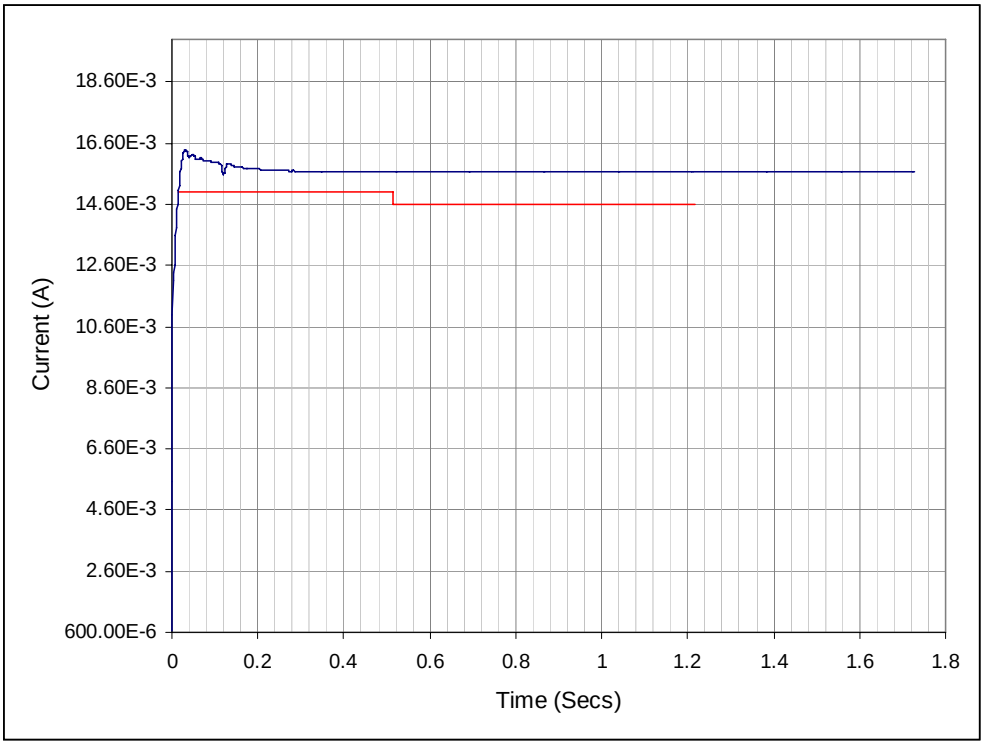
TestCondition 4

Test Description: 50Vdc, 8kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 8k Ohms
Feed Polarity Reverse Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.213%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.213%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5217	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 5: 50Vdc, 2.8kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:11:33	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 5, 50Vdc, 2.8kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
Loop Current Must Be Within Test Limit Mask Within 30m Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 15.09m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5217	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 5: 50Vdc, 2.8kohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:11:33	**Temp**	25	**Humidity**	56

Test Details

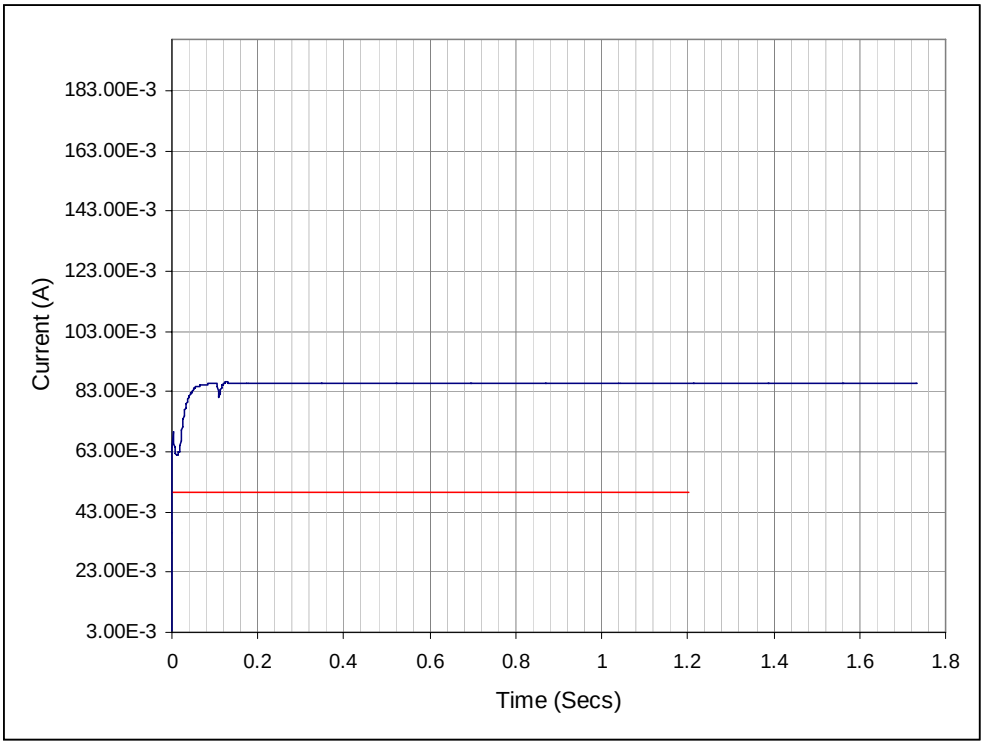
TestCondition 5

Test Description: 50Vdc, 2.8kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 2.8k Ohms
Feed Polarity Normal Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 30m Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.167%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.166%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5218	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 6: 50Vdc, 400ohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:12:25	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 6, 50Vdc, 400ohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
Loop Current Must Be Within Test Limit Mask Within 20m Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 1.364m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5218	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 6: 50Vdc, 400ohms (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:12:25	**Temp**	25	**Humidity**	56

Test Details

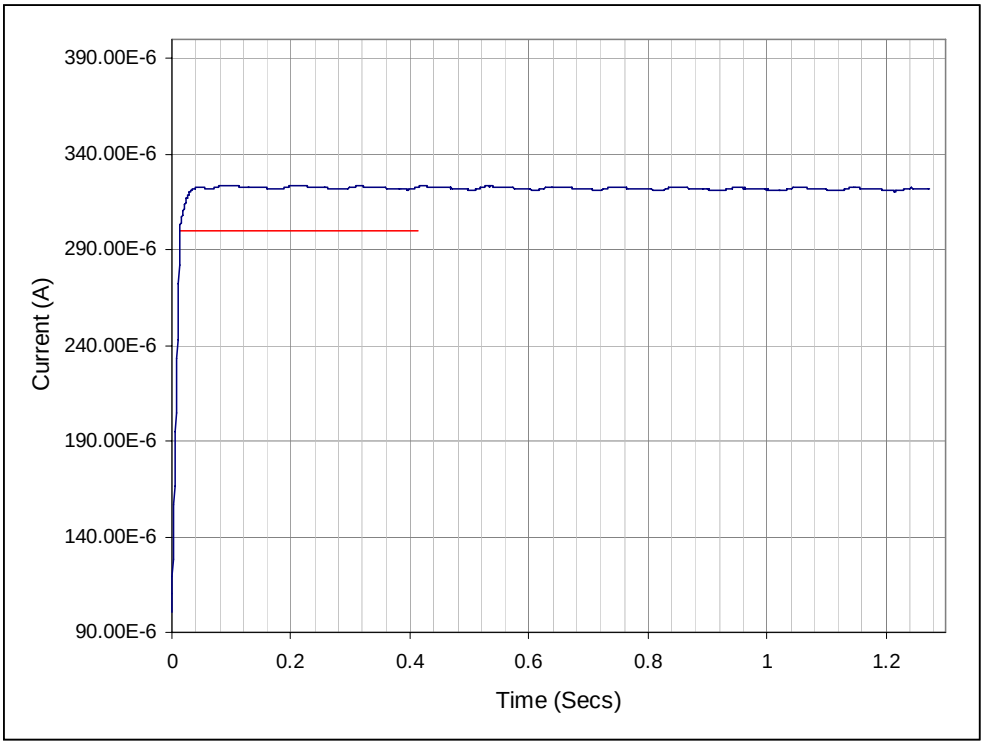
TestCondition 6

Test Description: 50Vdc, 400ohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 400 Ohms
Feed Polarity Reverse Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 20m Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.181%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.181%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5219	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 50Vdc, 150kohm(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:14:53	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, 50Vdc, 150kohm

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 150k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 13.27m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5219	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: 50Vdc, 150kohm(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:14:53	**Temp**	25	**Humidity**	56

Test Details

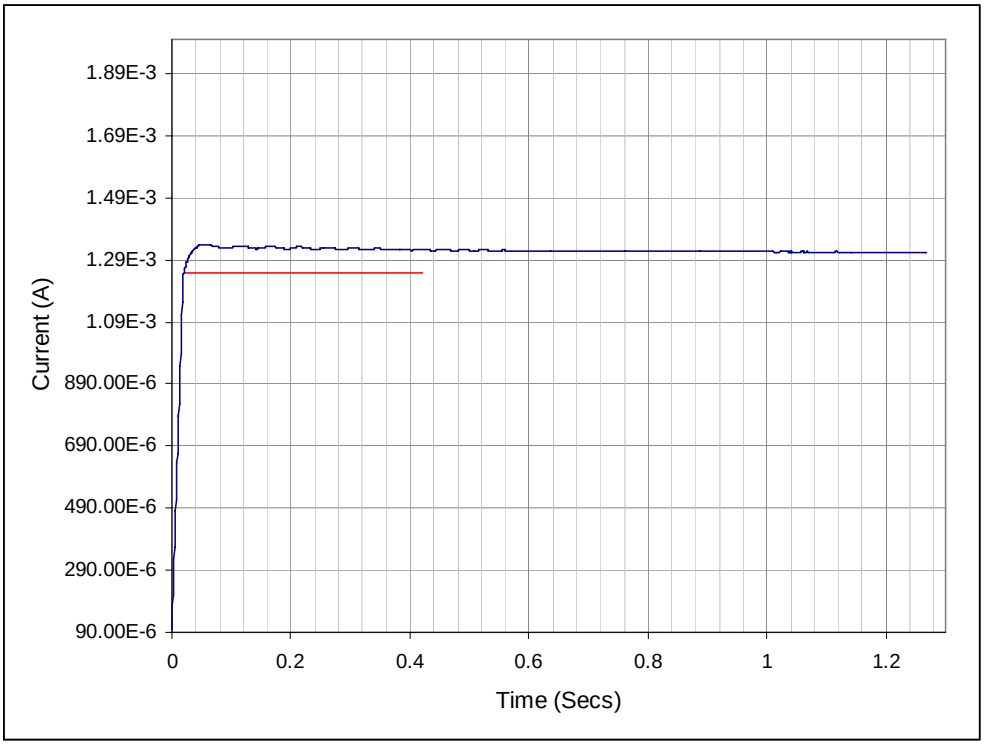
TestCondition 1

Test Description: 50Vdc, 150kohm
DC Feed Voltage: 50 Vdc
Feed Resistance: 150k Ohms
Feed Polarity Normal Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.191%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.191%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5220	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 50Vdc, 36kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:21:51	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 2, 50Vdc, 36kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 36k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 20.09m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5220	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 2: 50Vdc, 36kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:21:51	**Temp**	25	**Humidity**	56

Test Details

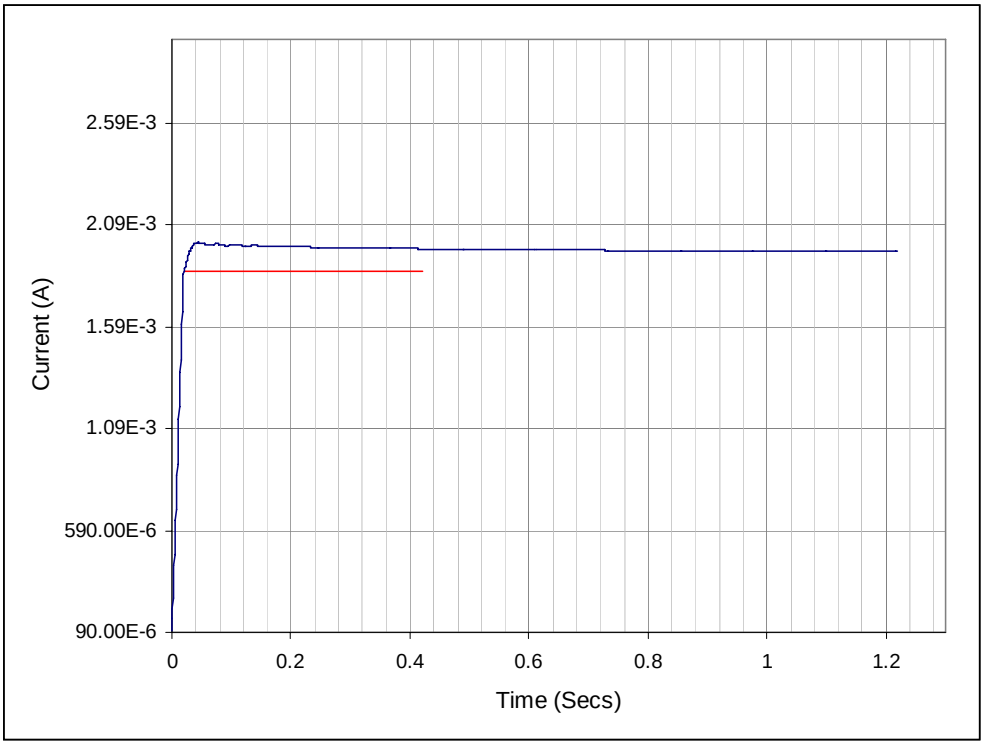
TestCondition 2

Test Description: 50Vdc, 36kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 36k Ohms
Feed Polarity Reverse Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.17%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.17%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5221	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 3: 50Vdc, 24kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:24:28	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 3, 50Vdc, 24kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 24k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 20.27m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5221	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 3: 50Vdc, 24kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:24:28	**Temp**	25	**Humidity**	56

Test Details

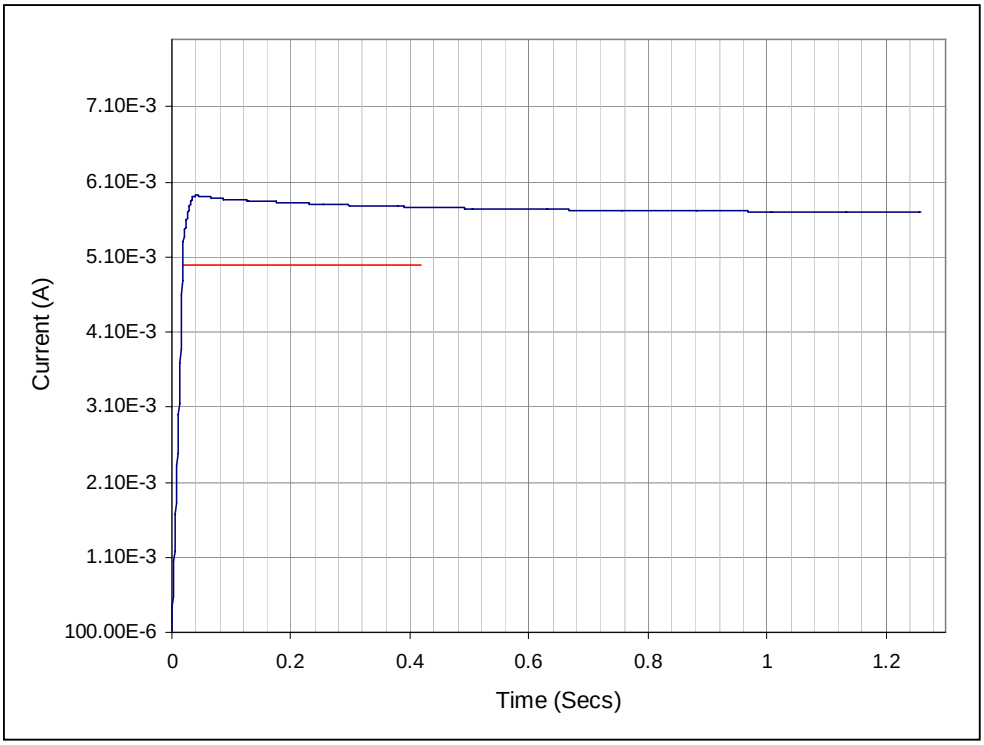
TestCondition 3

Test Description: 50Vdc, 24kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 24k Ohms
Feed Polarity Normal Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.165%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.165%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5222	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 4: 50Vdc, 8kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:25:43	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 4, 50Vdc, 8kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 8k Ohms
Loop Current Must Be Within Test Limit Mask Within 0.4 Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 18.45m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5222	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 4: 50Vdc, 8kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:25:43	**Temp**	25	**Humidity**	56

Test Details

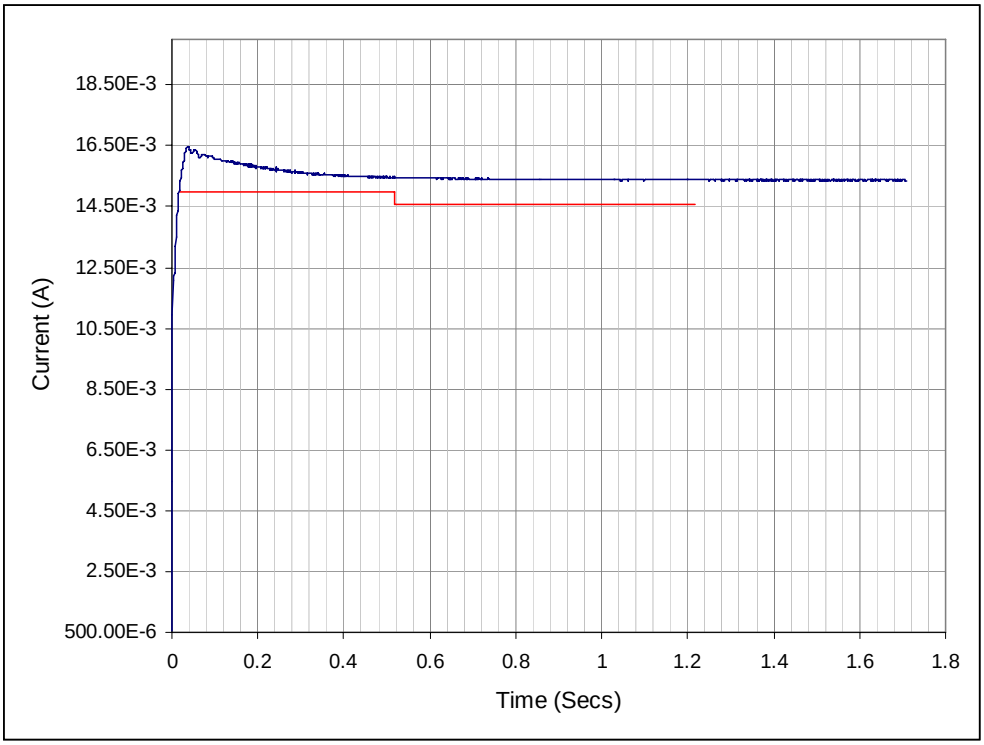
TestCondition 4

Test Description: 50Vdc, 8kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 8k Ohms
Feed Polarity Reverse Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 0.4 Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.213%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.213%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5223	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 5: 50Vdc, 2.8kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:27:55	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 5, 50Vdc, 2.8kohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
Loop Current Must Be Within Test Limit Mask Within 30m Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 16.82m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5223	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 5: 50Vdc, 2.8kohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:27:55	**Temp**	25	**Humidity**	56

Test Details

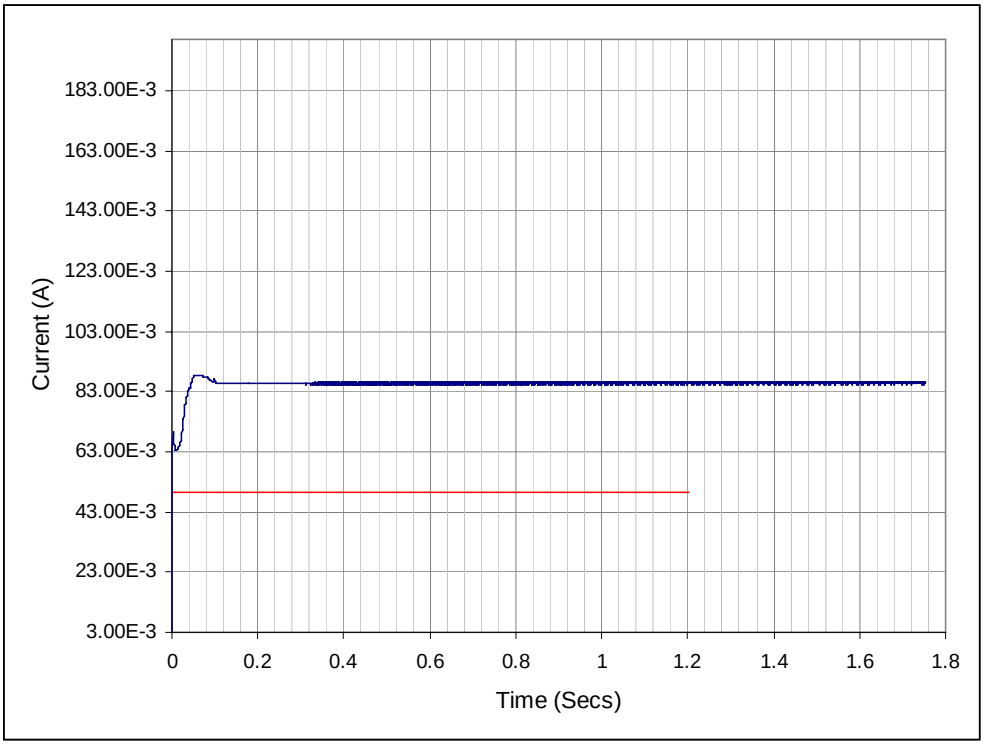
TestCondition 5

Test Description: 50Vdc, 2.8kohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 2.8k Ohms
Feed Polarity Normal Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 30m Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.167%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.166%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5224	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 6: 50Vdc, 400ohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:29:07	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 6, 50Vdc, 400ohms

Measurement Type: On Hook To Off Hook
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
Loop Current Must Be Within Test Limit Mask Within 20m Secs Of Reference Moment Of Line Seizure (t1-t0)
t1 - t0 (Time To Reach First Test Limit Point): 1.364m Secs
t1 - t0 (Time To Reach First Test Limit Point) Status: **Pass**
Loop Current Fell Below Lower Test Limit Mask For A Total Aggregated Period Of 0 Secs
Status Against Lower Test Limits: **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.6.2(a), Loop Current Characteristics					
ID	5224	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check the current/time characteristics of the EUT during the transition from quiescent to loop state comply with clause 4.6.2				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 6: 50Vdc, 400ohms(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 01/Apr/2011 16:29:07	**Temp**	25	**Humidity**	56

Test Details

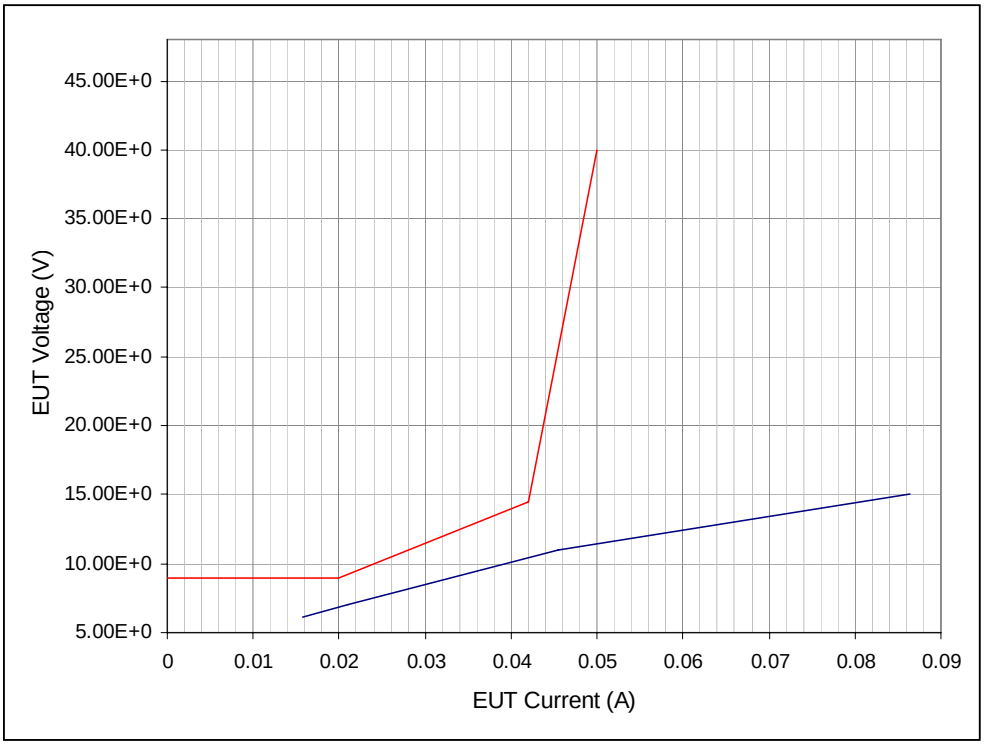
TestCondition 6

Test Description: 50Vdc, 400ohms
DC Feed Voltage: 50 Vdc
Feed Resistance: 400 Ohms
Feed Polarity Reverse Polarity
Type Of Test: On Hook To Off Hook
After Configuring Test Wait 10 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 100u A
Reference Point For Line Seizure/Line Release Qualification Time: 5m Secs
EUT current must be within limit mask within 20m Secs Of Passing Reference Point For Line Seizure/Line Release
Apply Test Limit For EUT Current To Be Within Limit Mask: 1 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 5m Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 7m Secs
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: 1.181%
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: 1.181%
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: N/A
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.1(a), DC Characteristics					
ID	5341	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify the steady state DC loop characteristics are within test limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line), Test Condition 1: Test Condition 1(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:42:22	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, Test Condition 1

Measurement Type: Off Hook DC Characteristics
DC Feed Voltage: 50 Vdc, Initial Feed Circuit Polarity: Normal Polarity
Change Feed Polarity Between Measurement Points: 1 (0 = Do Not Change, 1 = Change)

Test Ohms	EUT V	EUT A	EUT Ohms
2.8k	6.14	15.67m	391.9
2.05k	7.047	20.92m	336.9
850	10.94	45.44m	240.8
400	15.02	86.34m	174

Status Against Upper Limits: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.1(a), DC Characteristics					
ID	5341	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify the steady state DC loop characteristics are within test limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line), Test Condition 1: Test Condition 1(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:42:22	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			
Test Result					

Overall Test Status: Pass

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.1(a), DC Characteristics					
ID	5341	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify the steady state DC loop characteristics are within test limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line), Test Condition 1: Test Condition 1(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:42:22	**Temp**	20	**Humidity**	56

Test Details

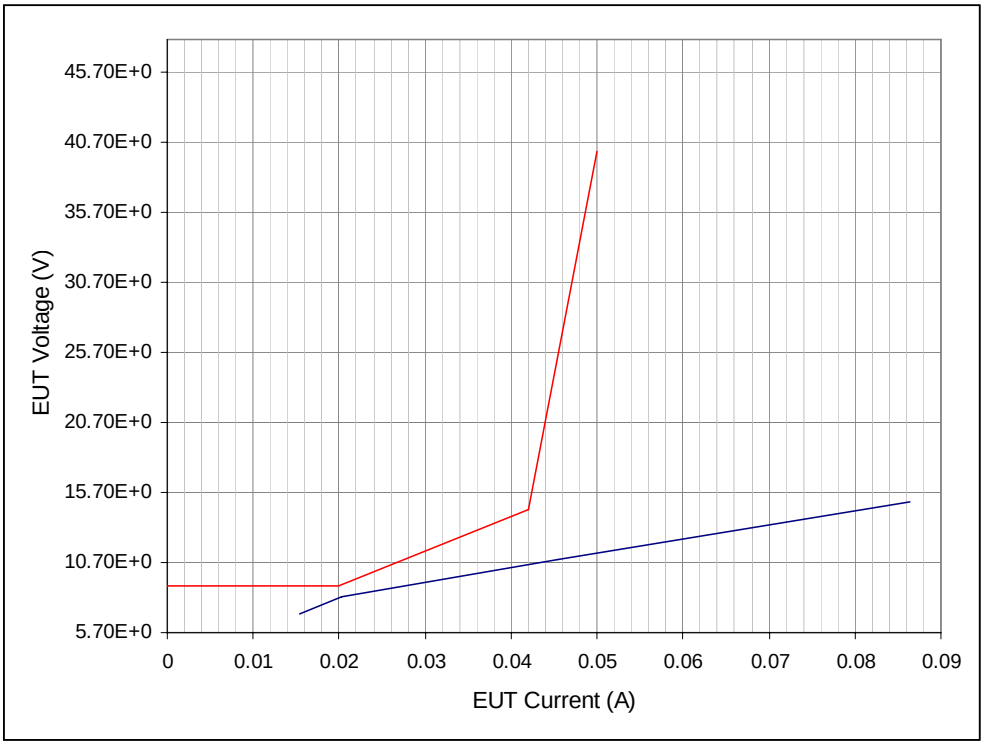
TestCondition 1

Test Description: Test Condition 1
DC Feed Voltage: 50 Vdc
DC Current: 0.12 A
Feed Resistance: 400 Ohms
Feed Polarity: Normal Polarity
EUT Is Off Hook When Current Exceeds: 4m A
Type Of Measurement: Off Hook DC Characteristics
Method Of Measurement: Adjustable Resistance
Resistances (Ohms) Used For Adjustable Resistance Test Method: 2.8k, 2.05k, 850, 400
Time Waited Between Measurement Points: 60 Secs
Time Waited After Configuring Measurement Point Before Taking Measurements: 3 Secs
Measurements Taken For: 0.2 Secs
Between Measurement Points Change Feed Polarity: 1 (0 = Do Not Change, 1 = Change)
Between Measurement Points Take EUT On Hook: 1 (0 = Leave Off Hook, 1 = Go On Hook)
Between Measurement Points Disconnect Feed Circuit From EUT: 0 (0 =Leave Connected, 1 = Disconnect)
Short Circuit EUT When Disconnected From Feed Bridge: 0 (0 = Open Circuit, 1 = Short Circuit)
Results Are Based On: Average Measured Value Over Defined Measurement Time
Graph Type: Voltage/Current
Use Lower Test Limits: 0 (0 = Do Not Use, 1 = Use)
Use Upper Test Limits: 1 (0 = Do Not Use, 1 = Use)
For Lower Test Limits: , Please see test results
For Upper Test Limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Values
Measurement Point 1: 1.215%
Measurement Point 2: 1.247%
Measurement Point 3: 1.285%
Measurement Point 4: 1.399%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.1(a), DC Characteristics					
ID	5342	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify the steady state DC loop characteristics are within test limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line), Test Condition 1: Test Condition 1 (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:48:45	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, Test Condition 1

Measurement Type: Off Hook DC Characteristics
DC Feed Voltage: 50 Vdc, Initial Feed Circuit Polarity: Normal Polarity
Change Feed Polarity Between Measurement Points: 1 (0 = Do Not Change, 1 = Change)

Test Ohms	EUT V	EUT A	EUT Ohms
2.8k	7.084	15.34m	461.9
2.05k	8.257	20.33m	406.1
850	10.95	45.45m	240.9
400	15.02	86.34m	174

Status Against Upper Limits: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.1(a), DC Characteristics					
ID	5342	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify the steady state DC loop characteristics are within test limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line), Test Condition 1: Test Condition 1 (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:48:45	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			
Test Result					

Overall Test Status: Pass

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.1(a), DC Characteristics					
ID	5342	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify the steady state DC loop characteristics are within test limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line), Test Condition 1: Test Condition 1 (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:48:45	**Temp**	20	**Humidity**	56

Test Details

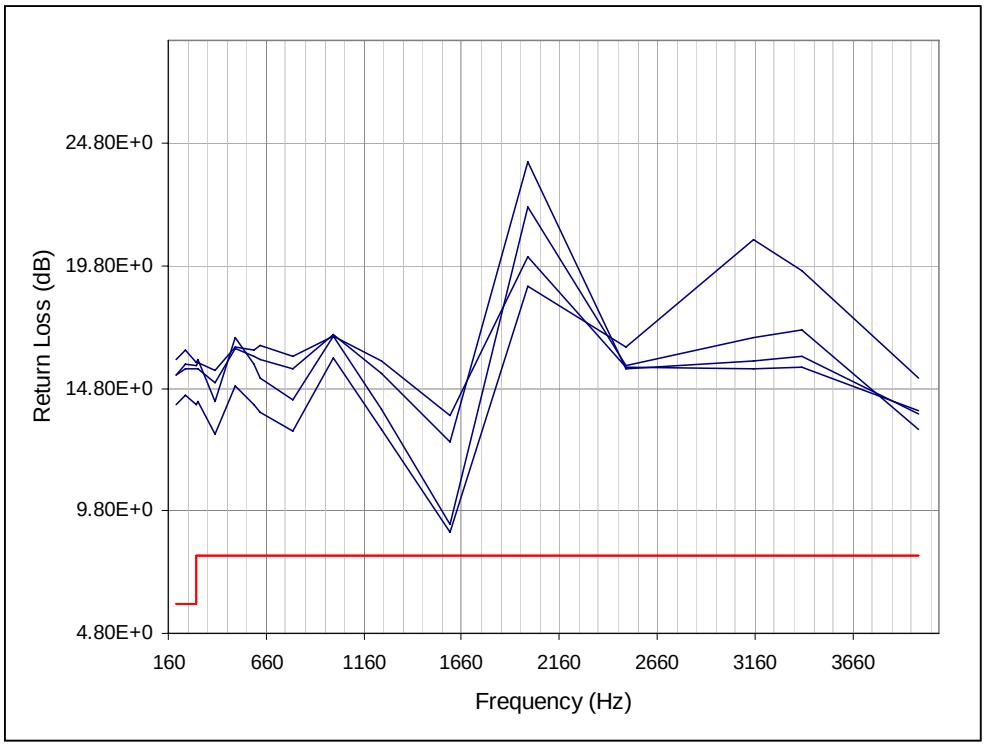
TestCondition 1

Test Description: Test Condition 1
DC Feed Voltage: 50 Vdc
DC Current: 0.12 A
Feed Resistance: 400 Ohms
Feed Polarity: Normal Polarity
EUT Is Off Hook When Current Exceeds: 4m A
Type Of Measurement: Off Hook DC Characteristics
Method Of Measurement: Adjustable Resistance
Resistances (Ohms) Used For Adjustable Resistance Test Method: 2.8k, 2.05k, 850, 400
Time Waited Between Measurement Points: 60 Secs
Time Waited After Configuring Measurement Point Before Taking Measurements: 3 Secs
Measurements Taken For: 0.2 Secs
Between Measurement Points Change Feed Polarity: 1 (0 = Do Not Change, 1 = Change)
Between Measurement Points Take EUT On Hook: 1 (0 = Leave Off Hook, 1 = Go On Hook)
Between Measurement Points Disconnect Feed Circuit From EUT: 0 (0 =Leave Connected, 1 = Disconnect)
Short Circuit EUT When Disconnected From Feed Bridge: 0 (0 = Open Circuit, 1 = Short Circuit)
Results Are Based On: Average Measured Value Over Defined Measurement Time
Graph Type: Voltage/Current
Use Lower Test Limits: 0 (0 = Do Not Use, 1 = Use)
Use Upper Test Limits: 1 (0 = Do Not Use, 1 = Use)
For Lower Test Limits: , Please see test results
For Upper Test Limits, Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Values
Measurement Point 1: 1.202%
Measurement Point 2: 1.226%
Measurement Point 3: 1.285%
Measurement Point 4: 1.4%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, 2k8 Ohms Feed Resistor, Normal Polarity

Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	765.5	5.565	761.9	74.23	15.36
250	774	3.777	772.3	50.98	15.78

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

300	771.3	2.718	770.4	36.57	15.74
315	775.3	2.373	774.6	32.1	15.86
400	778.7	2.141	778.1	29.09	15.54
500	765.9	-3.213	764.7	-42.92	16.49
600	776.1	-3.368	774.7	-45.6	16.38
630	782.6	-3.82	780.8	-52.14	16.55
800	776	-5.247	772.7	-70.96	16.13
1k	803.7	-8.726	794.4	-121.9	16.93
1.25k	760.2	-10.16	748.2	-134.1	15.89
1.6k	784.5	-9.251	774.3	-126.1	13.69
2k	717.1	-25.87	645.2	-312.9	20.18
2.5k	704.2	-22.49	650.7	-269.4	15.69
3.15k	673.8	-31.49	574.6	-352	15.59
3.4k	641.1	-30.53	552.3	-325.7	15.68
4k	638.7	-35.55	519.6	-371.4	13.9

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 2050 Ohms Feed Resistor, Reverse Polarity

Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 2.05k Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	762.8	5.289	759.6	70.32	15.36
250	763	3.377	761.7	44.95	15.59
300	763.2	2.48	762.4	33.02	15.58
315	764.2	2.177	763.6	29.03	15.62
400	764.3	2.814	763.4	37.52	15
500	754	-4.145	752.1	-54.5	16.42

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

600	763.7	-3.395	762.4	-45.23	16.09
630	763.8	-3.502	762.4	-46.66	16
800	765.6	-4.421	763.3	-59.01	15.61
1k	811.3	-8.79	801.8	-124	17.01
1.25k	748	-9.22	738.4	-119.9	15.4
1.6k	791.6	-6.282	786.8	-86.62	12.61
2k	695	-29.88	602.6	-346.2	24.06
2.5k	702.5	-22.01	651.3	-263.3	15.58
3.15k	668.4	-32.84	561.6	-362.4	15.9
3.4k	629.5	-30.06	544.8	-315.4	16.09
4k	643.1	-35.98	520.4	-377.8	13.75

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 3, 850 Ohms Feed Resistor, Normal Polarity
Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 850 Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	791.2	5.769	787.2	79.53	15.97
250	780	2.254	779.4	30.68	16.38
300	758.6	0.9301	758.5	12.31	15.86
315	762.2	0.6356	762.1	8.455	15.98
400	736.2	3.154	735.1	40.51	14.28
500	736.9	-8.536	728.7	-109.4	16.89
600	734.6	-4.709	732.1	-60.31	15.77
630	730.4	-3.551	729	-45.24	15.23
800	729.2	-2.551	728.5	-32.46	14.32
1k	851.7	-8.396	842.6	-124.4	16.9

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

1.25k	714.9	-6.121	710.9	-76.23	13.92
1.6k	836.1	5.074	832.8	73.95	9.26
2k	594.1	-42.43	438.5	-400.8	22.23
2.5k	682.6	-20.99	637.3	-244.5	15.73
3.15k	643.3	-38.51	503.4	-400.5	16.89
3.4k	600.4	-28.82	526	-289.4	17.18
4k	663.5	-36.76	531.6	-397.1	13.11

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 4, 400 Ohms Feed Resistor, Reverse Polarity

Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	726.8	6.529	722.1	82.64	14.14
250	722.3	3.048	721.3	38.41	14.54
300	701.5	1.551	701.3	18.99	14.11
315	704.1	0.9772	704	12.01	14.25
400	675.1	2.934	674.3	34.56	12.95
500	681.6	-8.443	674.2	-100.1	14.92
600	671.6	-5.09	669	-59.59	14.12
630	667.4	-4.32	665.5	-50.27	13.84
800	659.5	-2.65	658.8	-30.49	13.06
1k	771.2	-7.506	764.6	-100.7	16.03
1.25k	644	-5.956	640.5	-66.82	13.12
1.6k	750.9	7.43	744.6	97.1	8.917
2k	527.1	-42.22	390.4	-354.2	18.98
2.5k	645.3	-20.62	603.9	-227.3	16.46

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

3.15k	580.9	-36.35	467.9	-344.3	20.88
3.4k	539	-26.5	482.4	-240.5	19.59
4k	603.6	-34.2	499.2	-339.3	15.19

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2k8 Ohms Feed Resistor, Normal Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Normal Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 1.397%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 0.8575dB

TestCondition 2

Test Description: 2050 Ohms Feed Resistor, Reverse Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 2.05k Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Reverse Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 1.402%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

TestCondition 3

Test Description: 850 Ohms Feed Resistor, Normal Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 850 Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Normal Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 2.267%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

TestCondition 4

Test Description: 400 Ohms Feed Resistor, Reverse Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Reverse Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 1.394%

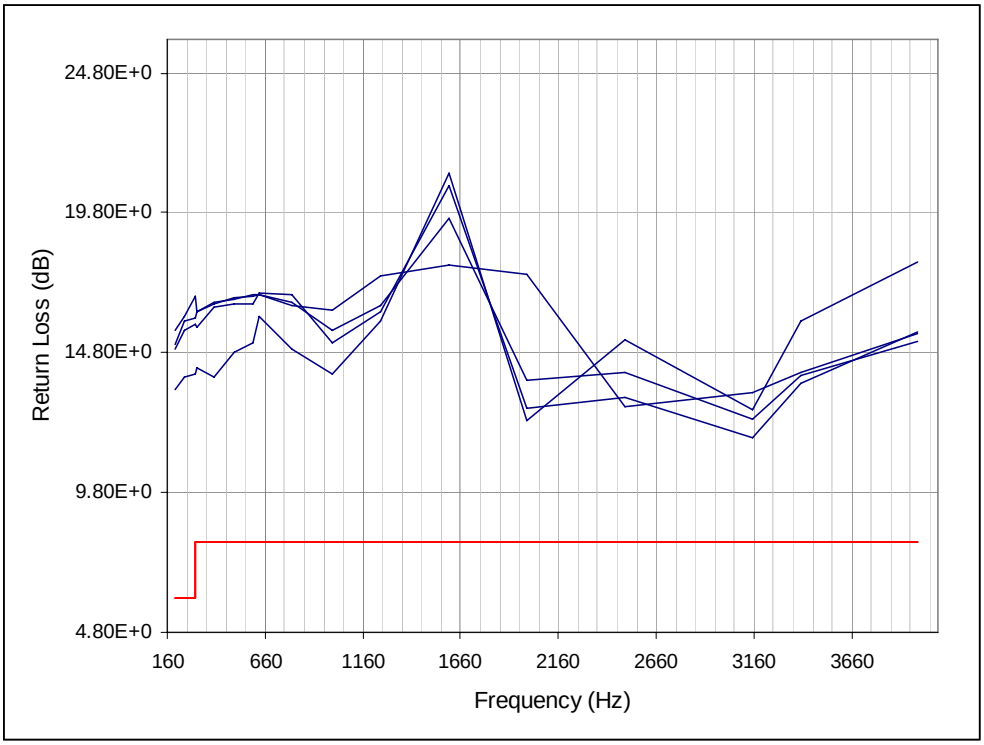
Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5336	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 09:28:01	**Temp**	20	**Humidity**	56
Test Details					

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, 2k8 Ohms Feed Resistor, Normal Polarity

Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.8k Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	790.9	7.023	784.9	96.7	15.57
250	793.7	4.465	791.3	61.8	16.1

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

300	805.4	2.222	804.8	31.23	16.82
315	793.7	2.629	792.8	36.4	16.27
400	800.3	0.549	800.3	7.669	16.62
500	797	-1.534	796.7	-21.33	16.71
600	800.7	-3.244	799.4	-45.32	16.89
630	790.2	-4.173	788.1	-57.51	16.88
800	788	-5.629	784.2	-77.28	16.5
1k	787.5	-7.749	780.3	-106.2	16.3
1.25k	790.2	-13.2	769.3	-180.5	17.55
1.6k	783.6	-18.63	742.5	-250.3	17.91
2k	680.7	-19.86	640.2	-231.3	17.59
2.5k	846.1	-24.77	768.2	-354.5	12.84
3.15k	711	-23.6	651.6	-284.6	13.36
3.4k	687.4	-30.45	592.6	-348.4	14.09
4k	596.8	-33.89	495.4	-332.8	15.48

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 2, 2050 Ohms Feed Resistor, Reverse Polarity

Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 2.05k Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	778.3	7.599	771.5	102.9	15.1
250	793.9	4.965	791	68.71	15.94
300	794.1	3.674	792.4	50.88	16.03
315	796.1	2.882	795.1	40.03	16.24
400	800.1	0.8134	800	11.36	16.52
500	799.5	-1.575	799.2	-21.98	16.79

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

600	798.2	-3.241	797	-45.13	16.83
630	794.1	-3.927	792.2	-54.38	16.86
800	783.4	-6.018	779.1	-82.13	16.6
1k	776.1	-6.49	771.1	-87.72	15.61
1.25k	820.6	-11.41	804.3	-162.4	16.47
1.6k	776.8	-21.27	723.9	-281.8	19.62
2k	665.3	-11.39	652.2	-131.4	13.82
2.5k	827	-36.67	663.3	-493.9	14.09
3.15k	760.1	-24.77	690.2	-318.4	12.42
3.4k	695.4	-33.86	577.5	-387.5	14.01
4k	602.9	-31.98	511.4	-319.3	15.19

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 3, 850 Ohms Feed Resistor, Normal Polarity
Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 850 Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	778.5	8.185	770.6	110.8	14.93
250	790.3	5.734	786.4	78.97	15.61
300	785.7	3.722	784.1	51	15.8
315	782.6	3.455	781.2	47.16	15.72
400	804.5	1.337	804.3	18.77	16.43
500	797.2	-1.106	797	-15.39	16.54
600	792.6	-2.828	791.7	-39.11	16.53
630	796.6	-3.931	794.8	-54.62	16.91
800	767.6	-7.233	761.4	-96.63	16.85
1k	764.6	-5.695	760.8	-75.88	15.15

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

1.25k	834	-11.12	818.3	-160.9	16.25
1.6k	780.4	-23.15	717.6	-306.8	20.79
2k	647.6	-8.459	640.6	-95.27	12.8
2.5k	859.8	-39.77	660.8	-550	13.19
3.15k	782.1	-22.8	721	-303.1	11.75
3.4k	705.2	-35.03	577.4	-404.7	13.73
4k	593.4	-31.09	508.1	-306.4	15.54

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Test Condition 4, 400 Ohms Feed Resistor, Reverse Polarity

Measurement Type: Off Hook Return Loss
DC Feed Voltage: 50 Vdc, Reverse Polarity, DC Feed Resistance: 400 Ohms
EUT Operating State: Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)
Reference Impedance: 270R+(750R//0.15uF)

Freq (Hz)	Mag (Ohms)	Phase (Deg)	Real (Ohms)	Imag (Ohms)	Return Loss (dB)
200	715.1	8.223	707.7	102.3	13.5
250	721	5.857	717.3	73.58	13.92
300	719.5	4.34	717.4	54.45	14.01
315	723.5	3.516	722.2	44.37	14.24
400	712.5	2.36	711.9	29.34	13.93
500	732.2	-0.6362	732.1	-8.13	14.83
600	727.9	-3.267	726.7	-41.48	15.16
630	759.2	-4.052	757.3	-53.64	16.1
800	705.4	-5.721	701.9	-70.32	14.91
1k	697.6	-4.977	695	-60.52	14.04
1.25k	759.1	-10.22	747.1	-134.7	15.92
1.6k	708.2	-21.9	657.1	-264.1	21.2
2k	579.6	-7.429	574.7	-74.94	12.34
2.5k	782.1	-38.92	608.5	-491.3	15.24

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

3.15k	713.6	-20.48	668.5	-249.7	12.74
3.4k	639.7	-33.31	534.6	-351.3	15.95
4k	536.4	-28.4	471.8	-255.1	18.06

Return Loss Status Against Lower Limits: **Pass**
Reactive Component Assessed In The Frequency Band: 200 Hz, To 300 Hz
Measured Reactive Component Of Impedance Must Be <= 500 Ohms
Reactive Component Status Against Upper Limit: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2k8 Ohms Feed Resistor, Normal Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 2.8k Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Normal Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 2.271%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

TestCondition 2

Test Description: 2050 Ohms Feed Resistor, Reverse Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 2.05k Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Reverse Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 2.28%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

TestCondition 3

Test Description: 850 Ohms Feed Resistor, Normal Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 850 Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Normal Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 2.273%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.7.2, Impedance

ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

TestCondition 4

Test Description: 400 Ohms Feed Resistor, Reverse Polarity
Disconnect Feed Bridge During Measurement: 0 (0 = feed bridge connected, 1 = feed bridge disconnected)
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set DC Feed Current As Priority: 0 (0 = not set, 1 = set)
Feed Resistance: 400 Ohms
Set Feed Resistance As Priority 1 (0 = not set, 1 = set)
Feed Polarity Reverse Polarity
Feed Circuit Inductance: 10H
Feed Bridge DC Blocking Capacitors Per Leg: 500u F
EUT is Off Hook When DC Line Current Exceeds: 5m A
Required EUT Operating State: Off Hook
Reference Impedance Rs: 270 Ohms
Reference Impedance Rp: 750 Ohms
Reference Impedance Cp: 0.15u F
Measurement Type Off Hook Return Loss
AC Test Signal Voltage: 0.316 Vrms
Calibrate AC Test Signal Voltage At: EUT
AC Test Frequencies: 200Hz, 250Hz, 300Hz, 315Hz, 400Hz, 500Hz, 600Hz, 630Hz, 800Hz, 1kHz, 1.25kHz, 1.6kHz, 2kHz, 2.5kHz, 3.15kHz, 3.4kHz, 4kHz
Apply Lower Test Limits: 1 (0 = do not use, 1= use)
Apply Upper Test Limits: 0 (0 = do not use, 1= use)
Reference Impedance: 270R+(750R//0.15uF)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Reactive Component Low Frequency: 200 Hz
Reactive Component High Frequency: 300 Hz
Apply Reactive Component Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Reactive Component Must Be Less Than: 500 Ohms
Apply Reactive Component Maximum Limit: 1 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Minimum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Apply Impedance Phase Angle Maximum Limit: 0 (0 = Do Not Apply, 1 = Apply)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Magnitude Impedance: 2.263%

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.7.2, Impedance					
ID	5340	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To verify that the return loss of the EUT input impedance in the loop state in relation to the reference impedance ZR is within the specified limits				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Off Hook (On Line) Quiet (No Signals Being Transmitted To Line)(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Fri 15/Apr/2011 11:22:34	**Temp**	22	**Humidity**	56

Test Details

Measured Impedance Phase Angle: 32m degrees
Return Loss: 1dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.1, Frequency Combinations					
ID	5241	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:23:01	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, Frequency Combinations

DC Feed Voltage: 50 Vdc, Feed Resistance 850 Ohms, Feed Circuit Polarity: Normal Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF Digit Coding & Frequencies Must Comply With ITU-T Rec. Q23 With A Frequency Tolerance Of: 1.5 %

DTMF Digit Coding

Digits	Low Freq (Hz)	% Dev	Status	High Freq (Hz)	%Dev	Status
1	696	0.1435	Pass	1209	0	Pass
2	696	0.1435	Pass	1331	0.3743	Pass
3	696	0.1435	Pass	1482	0.3385	Pass
4	766	0.5195	Pass	1209	0	Pass
5	766	0.5195	Pass	1331	0.3743	Pass
6	766	0.5195	Pass	1482	0.3385	Pass
7	850	0.2347	Pass	1209	0	Pass
8	851	0.1174	Pass	1331	0.3743	Pass
9	850	0.2347	Pass	1482	0.3385	Pass
0	938	0.3188	Pass	1331	0.3743	Pass
*	937	0.4251	Pass	1209	0	Pass
#	937	0.4251	Pass	1482	0.3385	Pass

Low Group Frequency Deviation Status **Pass**
High Group Frequency Deviation Status **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.1, Frequency Combinations					
ID	5241	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:23:01	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: Frequency Combinations
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 850 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Allowable Frequency Deviation On DTMF Coding: 1.5 %
Test DTMF Coding And Frequencies: 1 (0 = Do Not Test, 1 = Test)
Test Minimum Tone Duration Limit: 0 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
Units Used For Tone Level Measurements dBV
Test High Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.1, Frequency Combinations

ID	5241	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:23:01	**Temp**	25	**Humidity**	56

Test Details

Test Pre-emphasis (Twist) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Total Unwanted Power: 0 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)
Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Units Used For Measured Power During Interdigit Pause: dBV
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs
Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.1, Frequency Combinations					
ID	5241	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations (handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:23:01	**Temp**	25	**Humidity**	56

Test Details

Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.13 dB
Unwanted DTMF Power Level: 2.07 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.1, Frequency Combinations					
ID	5242	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:24:22	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, Frequency Combinations

DC Feed Voltage: 50 Vdc, Feed Resistance 850 Ohms, Feed Circuit Polarity: Normal Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF Digit Coding & Frequencies Must Comply With ITU-T Rec. Q23 With A Frequency Tolerance Of: 1.5 %

DTMF Digit Coding

Digits	Low Freq (Hz)	% Dev	Status	High Freq (Hz)	%Dev	Status
1	696	0.1435	Pass	1209	0	Pass
2	696	0.1435	Pass	1331	0.3743	Pass
3	696	0.1435	Pass	1482	0.3385	Pass
4	765	0.6494	Pass	1209	0	Pass
5	766	0.5195	Pass	1331	0.3743	Pass
6	766	0.5195	Pass	1482	0.3385	Pass
7	851	0.1174	Pass	1209	0	Pass
8	851	0.1174	Pass	1331	0.3743	Pass
9	851	0.1174	Pass	1482	0.3385	Pass
0	937	0.4251	Pass	1331	0.3743	Pass
*	937	0.4251	Pass	1209	0	Pass
#	937	0.4251	Pass	1482	0.3385	Pass

Low Group Frequency Deviation Status **Pass**
High Group Frequency Deviation Status **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.1, Frequency Combinations					
ID	5242	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:24:22	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: Frequency Combinations
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 850 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Allowable Frequency Deviation On DTMF Coding: 1.5 %
Test DTMF Coding And Frequencies: 1 (0 = Do Not Test, 1 = Test)
Test Minimum Tone Duration Limit: 0 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
Units Used For Tone Level Measurements dBV
Test High Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.1, Frequency Combinations

ID	5242	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:24:22	**Temp**	25	**Humidity**	56

Test Details

Test Pre-emphasis (Twist) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Total Unwanted Power: 0 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)
Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Units Used For Measured Power During Interdigit Pause: dBV
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs
Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.1, Frequency Combinations					
ID	5242	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signal frequency combinations				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Frequency Combinations(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:24:22	**Temp**	25	**Humidity**	56

Test Details

Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.13 dB
Unwanted DTMF Power Level: 1.72 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 2800 Ohms, Normal Polarity

DC Feed Voltage: 50 Vdc, Feed Resistance 2.8k Ohms, Feed Circuit Polarity: Normal Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF High Group Tone Level Must Be>= -11.5dBV
DTMF High Group Tone Levels Must Be <= -7dBV
DTMF Low Group Tone Levels Must Be >= -13dBV
DTMF Low Group Tone Levels Must Be <= -8.5dBV
Twist (pre-emphasis) Must Be >= 1 dB
Twist (pre-emphasis) Must Be <= 4 dB

DTMF Tone Power Levels

Digits	Low (dBV)	Status	High (dBV)	Status	Twist (dB)	Status
1	-10.83	Pass	-8.22	Pass	2.609	Pass
2	-10.86	Pass	-8.275	Pass	2.58	Pass
3	-10.81	Pass	-8.44	Pass	2.372	Pass
4	-10.8	Pass	-8.214	Pass	2.584	Pass
5	-10.99	Pass	-8.284	Pass	2.707	Pass
6	-10.8	Pass	-8.448	Pass	2.352	Pass
7	-10.41	Pass	-8.225	Pass	2.182	Pass
8	-10.41	Pass	-8.289	Pass	2.119	Pass
9	-10.4	Pass	-8.458	Pass	1.94	Pass
0	-10.47	Pass	-8.292	Pass	2.178	Pass
*	-10.46	Pass	-8.222	Pass	2.243	Pass
#	-10.47	Pass	-8.454	Pass	2.017	Pass

Low Group Tone Levels Status: **Pass**
High Group Tone Levels Status: **Pass**
Twist (Pre-emphasis) Status: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Total Unwanted Power Must Be At Least 20dB Below Low Group Tone Levels
Unwanted Power Measured In The Frequency Band: 250 Hz, To 4.3k Hz

Unwanted Power Levels During DTMF Tone Generation

Digits	Total (dBV)	Status
1	-37	Pass
2	-37.18	Pass
3	-36.71	Pass
4	-38.07	Pass
5	-36.78	Pass
6	-36.58	Pass
7	-37.12	Pass
8	-36.44	Pass
9	-37.11	Pass
0	-36.22	Pass
*	-37.42	Pass
#	-36.22	Pass

Total Unwanted Power Status: **Pass**

Test Condition Status: Pass

Test Condition 2, 400Ohms, Reverse Polarity

DC Feed Voltage: 50 Vdc, Feed Resistance 400 Ohms, Feed Circuit Polarity: Reverse Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF High Group Tone Level Must Be>= -11.5dBV
DTMF High Group Tone Levels Must Be <= -7dBV
DTMF Low Group Tone Levels Must Be >= -13dBV
DTMF Low Group Tone Levels Must Be <= -8.5dBV
Twist (pre-emphasis) Must Be >= 1 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Twist (pre-emphasis) Must Be <= 4 dB

DTMF Tone Power Levels

Digits	Low (dBV)	Status	High (dBV)	Status	Twist (dB)	Status
1	-11.17	Pass	-8.575	Pass	2.592	Pass
2	-11.2	Pass	-8.642	Pass	2.561	Pass
3	-11.19	Pass	-8.815	Pass	2.372	Pass
4	-11.34	Pass	-8.58	Pass	2.763	Pass
5	-11.35	Pass	-8.658	Pass	2.695	Pass
6	-11.36	Pass	-8.824	Pass	2.539	Pass
7	-10.76	Pass	-8.602	Pass	2.159	Pass
8	-10.77	Pass	-8.667	Pass	2.105	Pass
9	-10.76	Pass	-8.847	Pass	1.913	Pass
0	-10.84	Pass	-8.681	Pass	2.16	Pass
*	-10.83	Pass	-8.614	Pass	2.219	Pass
#	-10.86	Pass	-8.852	Pass	2.01	Pass

Low Group Tone Levels Status: Pass
High Group Tone Levels Status: Pass
Twist (Pre-emphasis) Status: Pass

Total Unwanted Power Must Be At Least 20dB Below Low Group Tone Levels
Unwanted Power Measured In The Frequency Band: 250 Hz, To 4.3k Hz

Unwanted Power Levels During DTMF Tone Generation

Digits	Total (dBV)	Status
1	-39.72	Pass
2	-40.04	Pass
3	-38.44	Pass
4	-40.18	Pass
5	-38.93	Pass
6	-38.21	Pass
7	-39.96	Pass
8	-38.79	Pass
9	-38.99	Pass
0	-38.63	Pass
*	-40.82	Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

#	-38.31	**Pass**

Total Unwanted Power Status: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2800 Ohms, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 2.8k Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Test DTMF Coding And Frequencies: 0 (0 = Do Not Test, 1 = Test)
Test Minimum Tone Duration Limit: 0 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
High Group Tone Level Must Be >= -11.5dBV
High Group Tone Level Must Be <= -7dBV
Low Group Tone Level Must Be >= -13dBV
Low Group Tone Level Must Be <= -8.5dBV
Pre-emphasis (Twist) Between Tones Must Be >= 1
Pre-emphasis (Twist) Between Tones Must Be <= 4
Units Used For Tone Level Measurements dBV

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56

Test Details

Test High Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 1 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Maximum Limit: 1 (0 = Do Not Test, 1 = Test)
Minimum Frequency Band For Unwanted Power Measurements: 250 Hz
Maximum Frequency Band For Unwanted Power Measurements: 4.3k Hz
Total Unwanted Power In Band Must Be Less Than: -20 dB
Test Total Unwanted Power: 1 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)
Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Reference Impedance For dBm Measurements: 600 Ohms
Reference Voltage Level For dBV Measurements: 1 Vrms
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56

Test Details

Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs
Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.13 dB
Unwanted DTMF Power Level: 1.77 dB

TestCondition 2

Test Description: 400Ohms, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 400 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56

Test Details

Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Test DTMF Coding And Frequencies: 0 (0 = Do Not Test, 1 = Test)
Test Minimum Tone Duration Limit: 0 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
High Group Tone Level Must Be >= -11.5dBV
High Group Tone Level Must Be <= -7dBV
Low Group Tone Level Must Be >= -13dBV
Low Group Tone Level Must Be <= -8.5dBV
Pre-emphasis (Twist) Between Tones Must Be >= 1
Pre-emphasis (Twist) Between Tones Must Be <= 4
Units Used For Tone Level Measurements dBV
Test High Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 1 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Maximum Limit: 1 (0 = Do Not Test, 1 = Test)
Minimum Frequency Band For Unwanted Power Measurements: 250 Hz
Maximum Frequency Band For Unwanted Power Measurements: 4.3k Hz
Total Unwanted Power In Band Must Be Less Than: -20 dB
Test Total Unwanted Power: 1 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56

Test Details

Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Reference Impedance For dBm Measurements: 600 Ohms
Reference Voltage Level For dBV Measurements: 1 Vrms
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs
Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5243	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:27:30	**Temp**	25	**Humidity**	56

Test Details

Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.14 dB
Unwanted DTMF Power Level: 2.35 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, 2800 Ohms, Normal Polarity

DC Feed Voltage: 50 Vdc, Feed Resistance 2.8k Ohms, Feed Circuit Polarity: Normal Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF High Group Tone Level Must Be>= -11.5dBV
DTMF High Group Tone Levels Must Be <= -7dBV
DTMF Low Group Tone Levels Must Be >= -13dBV
DTMF Low Group Tone Levels Must Be <= -8.5dBV
Twist (pre-emphasis) Must Be >= 1 dB
Twist (pre-emphasis) Must Be <= 4 dB

DTMF Tone Power Levels

Digits	Low (dBV)	Status	High (dBV)	Status	Twist (dB)	Status
1	-10.76	Pass	-8.173	Pass	2.59	Pass
2	-10.74	Pass	-8.257	Pass	2.486	Pass
3	-10.77	Pass	-8.422	Pass	2.346	Pass
4	-10.93	Pass	-8.181	Pass	2.752	Pass
5	-10.94	Pass	-8.253	Pass	2.688	Pass
6	-10.95	Pass	-8.425	Pass	2.524	Pass
7	-10.36	Pass	-8.181	Pass	2.176	Pass
8	-10.37	Pass	-8.262	Pass	2.105	Pass
9	-10.33	Pass	-8.438	Pass	1.893	Pass
0	-10.43	Pass	-8.267	Pass	2.166	Pass
*	-10.42	Pass	-8.192	Pass	2.23	Pass
#	-10.43	Pass	-8.429	Pass	2.001	Pass

Low Group Tone Levels Status: **Pass**
High Group Tone Levels Status: **Pass**
Twist (Pre-emphasis) Status: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Total Unwanted Power Must Be At Least 20dB Below Low Group Tone Levels
Unwanted Power Measured In The Frequency Band: 250 Hz, To 4.3k Hz

Unwanted Power Levels During DTMF Tone Generation

Digits	Total (dBV)	Status
1	-38.59	Pass
2	-38.31	Pass
3	-36.96	Pass
4	-37.04	Pass
5	-37.54	Pass
6	-37.34	Pass
7	-38.2	Pass
8	-37.29	Pass
9	-36.85	Pass
0	-36.85	Pass
*	-37.8	Pass
#	-36.63	Pass

Total Unwanted Power Status: **Pass**

Test Condition Status: Pass

Test Condition 2, 400Ohms, Reverse Polarity

DC Feed Voltage: 50 Vdc, Feed Resistance 400 Ohms, Feed Circuit Polarity: Reverse Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF High Group Tone Level Must Be>= -11.5dBV
DTMF High Group Tone Levels Must Be <= -7dBV
DTMF Low Group Tone Levels Must Be >= -13dBV
DTMF Low Group Tone Levels Must Be <= -8.5dBV
Twist (pre-emphasis) Must Be >= 1 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Twist (pre-emphasis) Must Be <= 4 dB

DTMF Tone Power Levels

Digits	Low (dBV)	Status	High (dBV)	Status	Twist (dB)	Status
1	-11.32	Pass	-8.678	Pass	2.644	Pass
2	-11.35	Pass	-8.739	Pass	2.614	Pass
3	-11.34	Pass	-8.908	Pass	2.429	Pass
4	-11.48	Pass	-8.682	Pass	2.799	Pass
5	-11.3	Pass	-8.748	Pass	2.553	Pass
6	-11.31	Pass	-8.909	Pass	2.399	Pass
7	-10.88	Pass	-8.685	Pass	2.196	Pass
8	-10.89	Pass	-8.752	Pass	2.14	Pass
9	-10.89	Pass	-8.916	Pass	1.973	Pass
0	-10.95	Pass	-8.763	Pass	2.184	Pass
*	-10.94	Pass	-8.698	Pass	2.241	Pass
#	-10.96	Pass	-8.927	Pass	2.03	Pass

Low Group Tone Levels Status: Pass
High Group Tone Levels Status: Pass
Twist (Pre-emphasis) Status: Pass

Total Unwanted Power Must Be At Least 20dB Below Low Group Tone Levels
Unwanted Power Measured In The Frequency Band: 250 Hz, To 4.3k Hz

Unwanted Power Levels During DTMF Tone Generation

Digits	Total (dBV)	Status
1	-38.78	Pass
2	-38.15	Pass
3	-38.07	Pass
4	-37.68	Pass
5	-38.45	Pass
6	-37.97	Pass
7	-38.52	Pass
8	-38.17	Pass
9	-37.06	Pass
0	-37.77	Pass
*	-38.36	Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

#	-37.88	**Pass**

Total Unwanted Power Status: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: 2800 Ohms, Normal Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 2.8k Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Test DTMF Coding And Frequencies: 0 (0 = Do Not Test, 1 = Test)
Test Minimum Tone Duration Limit: 0 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
High Group Tone Level Must Be >= -11.5dBV
High Group Tone Level Must Be <= -7dBV
Low Group Tone Level Must Be >= -13dBV
Low Group Tone Level Must Be <= -8.5dBV
Pre-emphasis (Twist) Between Tones Must Be >= 1
Pre-emphasis (Twist) Between Tones Must Be <= 4
Units Used For Tone Level Measurements dBV

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56

Test Details

Test High Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 1 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Maximum Limit: 1 (0 = Do Not Test, 1 = Test)
Minimum Frequency Band For Unwanted Power Measurements: 250 Hz
Maximum Frequency Band For Unwanted Power Measurements: 4.3k Hz
Total Unwanted Power In Band Must Be Less Than: -20 dB
Test Total Unwanted Power: 1 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)
Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Reference Impedance For dBm Measurements: 600 Ohms
Reference Voltage Level For dBV Measurements: 1 Vrms
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56

Test Details

Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs
Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.13 dB
Unwanted DTMF Power Level: 1.87 dB

TestCondition 2

Test Description: 400Ohms, Reverse Polarity
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 400 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Reverse Polarity
Feed Circuit Inductance Per Leg: 10H

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56

Test Details

Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Test DTMF Coding And Frequencies: 0 (0 = Do Not Test, 1 = Test)
Test Minimum Tone Duration Limit: 0 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
High Group Tone Level Must Be >= -11.5dBV
High Group Tone Level Must Be <= -7dBV
Low Group Tone Level Must Be >= -13dBV
Low Group Tone Level Must Be <= -8.5dBV
Pre-emphasis (Twist) Between Tones Must Be >= 1
Pre-emphasis (Twist) Between Tones Must Be <= 4
Units Used For Tone Level Measurements dBV
Test High Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 1 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 1 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Maximum Limit: 1 (0 = Do Not Test, 1 = Test)
Minimum Frequency Band For Unwanted Power Measurements: 250 Hz
Maximum Frequency Band For Unwanted Power Measurements: 4.3k Hz
Total Unwanted Power In Band Must Be Less Than: -20 dB
Test Total Unwanted Power: 1 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56

Test Details

Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Reference Impedance For dBm Measurements: 600 Ohms
Reference Voltage Level For dBV Measurements: 1 Vrms
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs
Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.2 (a), DTMF Signalling Levels (2.8kohms feed resistance) & Clause: Clause 4.8.2.3 (a), Unwanted Frequency Components (2.8kohms feed resistance)

ID	5244	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends appropriate DTMF signals at the required signalling levels				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:29:13	**Temp**	25	**Humidity**	56

Test Details

Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.14 dB
Unwanted DTMF Power Level: 1.90 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5245	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:32:55	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration

DC Feed Voltage: 50 Vdc, Feed Resistance 850 Ohms, Feed Circuit Polarity: Normal Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF Tone Duration Must Be>= 65m Secs
Interdigit Pause Duration Must Be>= 65m Secs

DTMF Digit Timing

Digits	Tone (S)	Status	Pause (S)	Status
1	88.67m	Pass	82.73m	Pass
2	88.13m	Pass	83.07m	Pass
3	89m	Pass	94.07m	Pass
4	89.33m	Pass	86.67m	Pass
5	89.27m	Pass	84.53m	Pass
6	89.73m	Pass	93.73m	Pass
7	89.2m	Pass	87.13m	Pass
8	89.27m	Pass	81.07m	Pass
9	89.13m	Pass	84m	Pass
0	91.27m	Pass	82.27m	Pass
*	88.6m	Pass	84.4m	Pass
#	89.33m	Pass		

Tone Duration Status: **Pass**
Interdigit Duration Status: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5245	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:32:55	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 850 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Test DTMF Coding And Frequencies: 0 (0 = Do Not Test, 1 = Test)
Tone Duration Must Be >= 65m Secs
Test Minimum Tone Duration Limit: 1 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Interdigit (Pause) Duration Must Be >= 65m Secs
Test Interdigit (Pause) Duration Minimum Limit: 1 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
Units Used For Tone Level Measurements dBV
Test High Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5245	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:32:55	**Temp**	25	**Humidity**	56

Test Details

Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Total Unwanted Power: 0 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)
Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Units Used For Measured Power During Interdigit Pause: dBV
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs
Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5245	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(handset)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:32:55	**Temp**	25	**Humidity**	56

Test Details

Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs
Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.13 dB
Unwanted DTMF Power Level: 1.99 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration					
ID	5246	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:34:17	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration

DC Feed Voltage: 50 Vdc, Feed Resistance 850 Ohms, Feed Circuit Polarity: Normal Polarity
Terminating Impedance 270R+(750R//0.15uF)

Expected EUT To Dial: 1234567890*#, EUT Dialled: 1234567890*#
Dialled Digit Status: **Pass**

DTMF Tone Duration Must Be>= 65m Secs
Interdigit Pause Duration Must Be>= 65m Secs

DTMF Digit Timing

Digits	Tone (S)	Status	Pause (S)	Status
1	88.6m	Pass	83.93m	Pass
2	87.8m	Pass	79.53m	Pass
3	88m	Pass	82.67m	Pass
4	88.93m	Pass	79.8m	Pass
5	89.4m	Pass	94.53m	Pass
6	89.6m	Pass	84.2m	Pass
7	89.73m	Pass	81m	Pass
8	88m	Pass	81.87m	Pass
9	89m	Pass	93.8m	Pass
0	90.73m	Pass	85.53m	Pass
*	88.67m	Pass	91.67m	Pass
#	89.6m	Pass		

Tone Duration Status: **Pass**
Interdigit Duration Status: **Pass**

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5246	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:34:17	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration
DC Feed Voltage: 50 Vdc
DC Feed Current: 100m A
Set Feed Current As Priority: 0 (0= No Priority, 1 = Priority)
Feed Resistance: 850 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1= Priority)
Feed Circuit Polarity: Normal Polarity
Feed Circuit Inductance Per Leg: 10H
Feed Bridge DC Block Capacitance Per Leg: 500u F
EUT Is Off Hook When Loop Current Exceeds: 12.8m A
Terminating Impedance Rs: 270 Ohms
Terminating Impedance Rp: 750 Ohms
Terminating Impedance Cp: 0.15u F
Terminating Impedance: 270R+(750R//0.15uF)
Artificial Line Used During Test: None
Connect External Analyser During Test: 0 (0 = Do Not Connect, 1 = Connect)
Test DTMF Coding And Frequencies: 0 (0 = Do Not Test, 1 = Test)
Tone Duration Must Be >= 65m Secs
Test Minimum Tone Duration Limit: 1 (0=Do Not Test, 1 = Test)
Test Maximum Tone Duration Limit: 0 (0 = Do Not Test, 1 = Test)
Interdigit (Pause) Duration Must Be >= 65m Secs
Test Interdigit (Pause) Duration Minimum Limit: 1 (0 = Do Not Test, 1 = Test)
Test Interdigit (Pause) Duration Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duration of Tone + Interdigit (Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Duty Cycle (Tone/Pause) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Threshold For Tone Timing Measurements: 90 % Of Maximum Tone Amplitude
Threshold For Pause Timing Measurements: 10 % Of Maximum Tone Amplitude
Units Used For Tone Level Measurements dBV
Test High Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test High Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Minimum Level Limit: 0 (0 = Do Not Test, 1 = Test)
Test Low Group Maximum Level Limit: 0 (0 = Do Not Test, 1 = Test)

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5246	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:34:17	**Temp**	25	**Humidity**	56

Test Details

Test Combined Tone Level Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Combined Tone Level Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Minimum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Pre-emphasis (Twist) Maximum Limit: 0 (0 = Do Not Test, 1 = Test)
Test Total Unwanted Power: 0 (0 = Do Not Test, 1 = Test)
Test Power Levels Of Individual Unwanted Frequency Components: 0 (0 = Do Not Test, 1 = Test)
Unwanted Power Levels Limits Are: Relative To Low Group Tone Level
Units Used For Measured Power During Interdigit Pause: dBV
Test Power Level During Interdigit Pause: 0 (0 = Do Not Test, 1 = Test)
Measured Power Level During Interdigit Pause: 1 (0 = Maximum Level Of Individual Frequencies, 1 = Total Power Level In Band)
Test Rise Time: 0 (0 = Do Not Test, 1 = Test)
Test Fall Time: 0 (0 = Do Not Test, 1 = Test)
Enable Special Features: 0 (0 = Do Not Enable, 1 = Enable)
Applied Dial Tone: Nominal 400Hz Dial Tone At -10 dBV
Dial Tone Cadence 1 Oscillator 1 Frequency: 400 Hz
Dial Tone Cadence 1 Oscillator 1 Level: -10 dB
Dial Tone Cadence 1 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 1 Oscillator 2 Level: -70 dB
Dial Tone Cadence 1 On Period: 100m Secs
Dial Tone Cadence 1 Off Period: 0 Secs
Dial Tone Cadence 2 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 1 Level: -70 dB
Dial Tone Cadence 2 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 2 Oscillator 2 Level: -70 dB
Dial Tone Cadence 2 On Period: 0 Secs
Dial Tone Cadence 2 Off Period: 0 Secs
Dial Tone Cadence 3 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 1 Level: -70 dB
Dial Tone Cadence 3 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 3 Oscillator 2 Level: -70 dB
Dial Tone Cadence 3 On Period: 0 Secs
Dial Tone Cadence 3 Off Period: 0 Secs
Dial Tone Cadence 4 Oscillator 1 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 1 Level: -70 dB
Dial Tone Cadence 4 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 4 Oscillator 2 Level: -70 dB
Dial Tone Cadence 4 On Period: 0 Secs
Dial Tone Cadence 4 Off Period: 0 Secs
Dial Tone Cadence 5 Oscillator 1 Frequency: 0 Hz

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause: Clause 4.8.2.5, DTMF Pause Duration & Clause: Clause 4.8.2.4, DTMF Tone Duration

ID	5246	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To check whether the EUT sends DTMF signals of the appropriate duration				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Clause 4.8.2.4 and Clause 4.8.2.5: DTMF Tone and Pause Duration(speaker)				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:34:17	**Temp**	25	**Humidity**	56

Test Details

Dial Tone Cadence 5 Oscillator 1 Level: -70 dB
Dial Tone Cadence 5 Oscillator 2 Frequency: 0 Hz
Dial Tone Cadence 5 Oscillator 2 Level: -70 dB
Dial Tone Cadence 5 On Period: 0 Secs
Dial Tone Cadence 5 Off Period: 0 Secs
Dial Tone dB reference: dBV
Generate Dial Tone Continuously: 1 (0 = Cadenced, 1 = Continuous)
Do Not Generate Dial Tone 0 (0 = Generate Dial Tone, 1 = Do Not Generate Dial Tone)
Turn Off Dial Tone After First Digit Is Dialled: 1 (0 = Do Not Turn Off Dial Tone, 1 = Turn Off Dial Tone)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Dial Tone Levels Between -48dB and -37dB: 2.75 dB
Dial Tone Levels Between -37dB and -10dB: 1 dB
Dial Tone Levels Above -10dB: 0.4 dB
Dial Tone Frequencies: 0.1155%
Dial Tone Cadence Timings: 0.1155%
Measured DTMF Timings: 76.21u Secs
Measured DTMF Frequencies: 0.5774Hz
Worst Case DTMF Power Level: 0.13 dB
Unwanted DTMF Power Level: 1.60 dB

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5691	**Job No**		1000330	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Clause	4.8.3 Pulse dialling				
Purpose Of Test	To determine whether the EUT's pulse dialling feature complies with ETSI ES203021 requirements for coding and timing. EUTs which provide manual pulse dialling at the rate of 10pps.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Pulse dialling coding and timing 10pps dialling Handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:38:17	**Temp**		**Humidity**	
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, Pulse dialling coding and timing 10pps dialling

DC Feed Voltage: 50 Vdc, Feed Resistance 1k Ohms, Feed Circuit Polarity: Normal Polarity

Required Digit Coding: n = n pulses
Contact bounce of upto 5m Seconds Allowed
Expected EUT To Dial: 1234567890
EUT Dialled: 1234567890
Dialled Digit Status: **Pass**

Measured Make Period: Max. 40.64mS, Min. 40.55mS, Avg. 40.60mS

Measured Break Period: Max.60.73mS, Min. 59.00mS, Avg. 59.18mS

Break/Make Ratio Must Be >= 1.27 :1
Break/Make Ratio Must Be <= 1.78 :1
Measured "Break/Make" Ratio: Max. 1.49:1, Min. 1.45:1, Avg. 1.46:1
"Break/Make" Ratio Status: **Pass**

Pulsing Frequency Must Be >= 9 Hz
Pulsing Frequency Must Be <= 11 Hz
Measured Pulsing Frequency: Min. 10.04Hz, Max. 10.05Hz, Avg. 10.04Hz
Pulsing Frequency Status: **Pass**

Type Of EUT: Manual Dialling EUT
Measured Interdigit Period: Interdigit Time: Max. 860.64mS, Min. 860.09mS, Avg. 860.16mS

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5691	**Job No**		1000330	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Clause	4.8.3 Pulse dialling				
Purpose Of Test	To determine whether the EUT's pulse dialling feature complies with ETSI ES203021 requirements for coding and timing. EUTs which provide manual pulse dialling at the rate of 10pps.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Pulse dialling coding and timing 10pps dialling Handset				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:38:17	**Temp**		**Humidity**	

Test Details

TestCondition 1

Test Description: Pulse dialling coding and timing 10pps automatic dialling
DC Feed Voltage: 50 Vdc
DC Feed Current: 20m A
Set Feed Current As Priority: 0 (0 = No Priority, 1 = Priority)
Feed Resistance: 1k Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1 Priority)
Feed Circuit Polarity: Normal Polarity
Loop Current >= 12.8m A Is Recognised As "Make" Period During Data Acquisition
Type Of Test: General Pulse Timings
For Pulse Recognition Make Period Starts When Loop Current Rises Above: 18m A
For Pulse Recognition Make Period Ends When Loop Current Falls Below: 12m A
For Pulse Recognition Break Period Starts When Loop Current Falls Below: 12m A
For Pulse Recognition Break Period Ends When Loop Current Rises Above: 18m A
Required Digit coding: n = n pulses
Allow Contact Bounce: 1 (1 = Allowed, 0 = Disallowed)
Maximum allowable contact bounce: 5m Seconds
Break/Make Ratio Must Be >= 1.38 :1
Test Minimum Break/Make Ratio? 1 (1 = Test, 0 = Do Not Test)
Break/Make Ratio Must Be <= 2.33 :1
Test Maximum Break/Make Ratio? 1 (1 = Test, 0 = Do Not Test
Pulsing Frequency Must Be >= 9 Hz
Test Minimum Pulsing Frequency? 1 (1 = Test, 0 = Do Not Test)
Pulsing Frequency Must Be <= 11 Hz
Test Maximum Pulsing Frequency? 1 (1 = Test, 0 = Do Not Test)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current At "Make Start" Current Threshold: 1.161%
Measured Current At "Make End" Current Threshold: 1.161%
Measured Current At "Break Start" Current Threshold: 1.161%
Measured Current At "Break End" Current Threshold: 1.161%
Measured Pulse Timings: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5693	**Job No**		1000330	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Clause	4.8.3 Pulse dialling				
Purpose Of Test	To determine whether the EUT's pulse dialling feature complies with ETSI ES203021 requirements for coding and timing. EUTs which provide manual pulse dialling at the rate of 10pps.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Pulse dialling coding and timing 10pps automatic Speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:40:17	**Temp**		**Humidity**	
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass

Test Condition 1, Pulse dialling coding and timing 10pps automatic dialling

DC Feed Voltage: 50 Vdc, Feed Resistance 1k Ohms, Feed Circuit Polarity: Normal Polarity

Required Digit Coding: n = n pulses
Contact bounce of upto 5m Seconds Allowed
Expected EUT To Dial: 1234567890
EUT Dialled: 1234567890
Dialled Digit Status: **Pass**

Measured Make Period: Max. 40.64mS, Min. 40.55mS, Avg. 40.61mS

Measured Break Period: Max.60.73mS, Min. 59.00mS, Avg. 59.17mS

Break/Make Ratio Must Be >= 1.27 :1
Break/Make Ratio Must Be <= 1.78 :1
Measured "Break/Make" Ratio: Max. 1.49:1, Min. 1.45:1, Avg. 1.46:1
"Break/Make" Ratio Status: **Pass**

Pulsing Frequency Must Be >= 9 Hz
Pulsing Frequency Must Be <= 11 Hz
Measured Pulsing Frequency: Min. 10.04Hz, Max. 10.05Hz, Avg. 10.04Hz
Pulsing Frequency Status: **Pass**

Type Of EUT: Manual Dialling EUT
Measured Interdigit Period: Interdigit Time: Max. 860.18mS, Min. 860.09mS, Avg. 860.13mS

Test Condition Status: Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5693	**Job No**		1000330	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Clause	4.8.3 Pulse dialling				
Purpose Of Test	To determine whether the EUT's pulse dialling feature complies with ETSI ES203021 requirements for coding and timing. EUTs which provide manual pulse dialling at the rate of 10pps.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Pulse dialling coding and timing 10pps automatic dialling Speaker				
Test Class	Engineering Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:40:17	**Temp**		**Humidity**	

Test Details

TestCondition 1

Test Description: Pulse dialling coding and timing 10pps automatic dialling
DC Feed Voltage: 50 Vdc
DC Feed Current: 20m A
Set Feed Current As Priority: 0 (0 = No Priority, 1 = Priority)
Feed Resistance: 1k Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1 Priority)
Feed Circuit Polarity: Normal Polarity
Loop Current >= 12.8m A Is Recognised As "Make" Period During Data Acquisition
Type Of Test: General Pulse Timings
For Pulse Recognition Make Period Starts When Loop Current Rises Above: 18m A
For Pulse Recognition Make Period Ends When Loop Current Falls Below: 12m A
For Pulse Recognition Break Period Starts When Loop Current Falls Below: 12m A
For Pulse Recognition Break Period Ends When Loop Current Rises Above: 18m A
Required Digit coding: n = n pulses
Allow Contact Bounce: 1 (1 = Allowed, 0 = Disallowed)
Maximum allowable contact bounce: 5m Seconds
Break/Make Ratio Must Be >= 1.38 :1
Test Minimum Break/Make Ratio? 1 (1 = Test, 0 = Do Not Test)
Break/Make Ratio Must Be <= 2.33 :1
Test Maximum Break/Make Ratio? 1 (1 = Test, 0 = Do Not Test
Pulsing Frequency Must Be >= 9 Hz
Test Minimum Pulsing Frequency? 1 (1 = Test, 0 = Do Not Test)
Pulsing Frequency Must Be <= 11 Hz
Test Maximum Pulsing Frequency? 1 (1 = Test, 0 = Do Not Test)
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current At "Make Start" Current Threshold: 1.161%
Measured Current At "Make End" Current Threshold: 1.161%
Measured Current At "Break Start" Current Threshold: 1.161%
Measured Current At "Break End" Current Threshold: 1.161%
Measured Pulse Timings: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause 4.8.4, Recall Signal						
ID	5254	**Job No**		1000322		
Customer	Xingtel					
Product	Corded Phone					
Specification	ETSI ES203021-3 v2.1.2 January 2006					
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Flash state(handeset)					
Test Class	Formal Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 16:56:36	**Temp(℃)**	**25**	**Humidity(%)**	**56**	
		Tested With Auto Test Run (EUT Master): No				

Overall Test Status: Pass

Test Condition 1, -

Feed Circuit DC Voltage: 50 Vdc
Feed Circuit Resistance: 1k Ohms
Feed Circuit Polarity: Reverse Polarity

Enable Glitch Rejection to Prevent False Triggering of the Break End: 1 ("1" = Enable, "0" = "Disable")
Allowable time for Glitch Rejection: 0.5m S
Time to use for Mean Smooth Averaging on the acquired waveform data: 0 S

Pre 'Break Signal' Loop State Current: 40.36m A
Percentage of Loop Current to use for Break Start: 90 %
Required Break Start Current (calculated using % of Loop Current): 36m A
Break End Trigger Current Level: 1m A
Break Period Duration Lower Limit: 90m S
Break Period Duration Upper Limit: 0.12 S
Break Period Duration Result: 0.1102 S
Break Period Duration Lower Limit Status: **Pass**
Break Period Duration Upper Limit Status: **Pass**
Break Period Duration Overall Status: **Pass**

Break Period Maximum Current: 1m A
Break Period Current must be Below Limit for a Minimum Period of 90m S
Break Period Current must be Below Limit for a Maximum Period of 0.12 S
Break Period Current was Below Limit for a Duration of 0.1068 S
Break Period Current Minimum Duration Status **Pass**
Break Period Current Maximum Duration Status **Pass**
Overall Break Period Current Duration Status **Pass**

Post 'Break Signal' Loop State Current: 40.7m A
Percent of Loop Current to use for identifying Break to Make Transient End: 95 %
Actual Current to use for identifying Break to Make Transient End: 38.67m A
Time to remain above Specified Current for a valid Break to Make Transient End: 5m S
Break to Loop Transition Maximum Duration: 2m S
Break to Loop Transition Duration Result: 94.52u S
Break to Loop Transition Duration Status: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause 4.8.4, Recall Signal

ID	5254	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(handeset)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:56:36	**Temp(℃)**	**25**	**Humidity(%)**	**56**
		Tested With Auto Test Run (EUT Master): No			

Overall Test Status: Pass

Status Against Upper Graphical Limits: **Pass**

Test Condition Status: Pass

Test Condition 2, -

Feed Circuit DC Voltage: 50 Vdc
Feed Circuit Resistance: 500 Ohms
Feed Circuit Polarity: Reverse Polarity

Enable Glitch Rejection to Prevent False Triggering of the Break End: 1 ("1" = Enable, "0" = "Disable")
Allowable time for Glitch Rejection: 0.5m S
Time to use for Mean Smooth Averaging on the acquired waveform data: 0 S

Pre 'Break Signal' Loop State Current: 69.7m A
Percentage of Loop Current to use for Break Start: 90 %
Required Break Start Current (calculated using % of Loop Current): 62.73m A
Break End Trigger Current Level: 1m A
Break Period Duration Lower Limit: 90m S
Break Period Duration Upper Limit: 0.12 S
Break Period Duration Result: 0.0991 S
Break Period Duration Lower Limit Status: **Pass**
Break Period Duration Upper Limit Status: **Pass**
Break Period Duration Overall Status: **Pass**

Break Period Maximum Current: 1m A
Break Period Current must be Below Limit for a Minimum Period of 90m S
Break Period Current must be Below Limit for a Maximum Period of 0.12 S
Break Period Current was Below Limit for a Duration of 0.1004 S
Break Period Current Minimum Duration Status **Pass**
Break Period Current Maximum Duration Status **Pass**
Overall Break Period Current Duration Status **Pass**

Post 'Break Signal' Loop State Current: 72.57m A
Percent of Loop Current to use for identifying Break to Make Transient End: 95 %
Actual Current to use for identifying Break to Make Transient End: 68.94m A
Time to remain above Specified Current for a valid Break to Make Transient End: 5m S
Break to Loop Transition Maximum Duration: 2m S
Break to Loop Transition Duration Result: 92.18u S

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause 4.8.4, Recall Signal

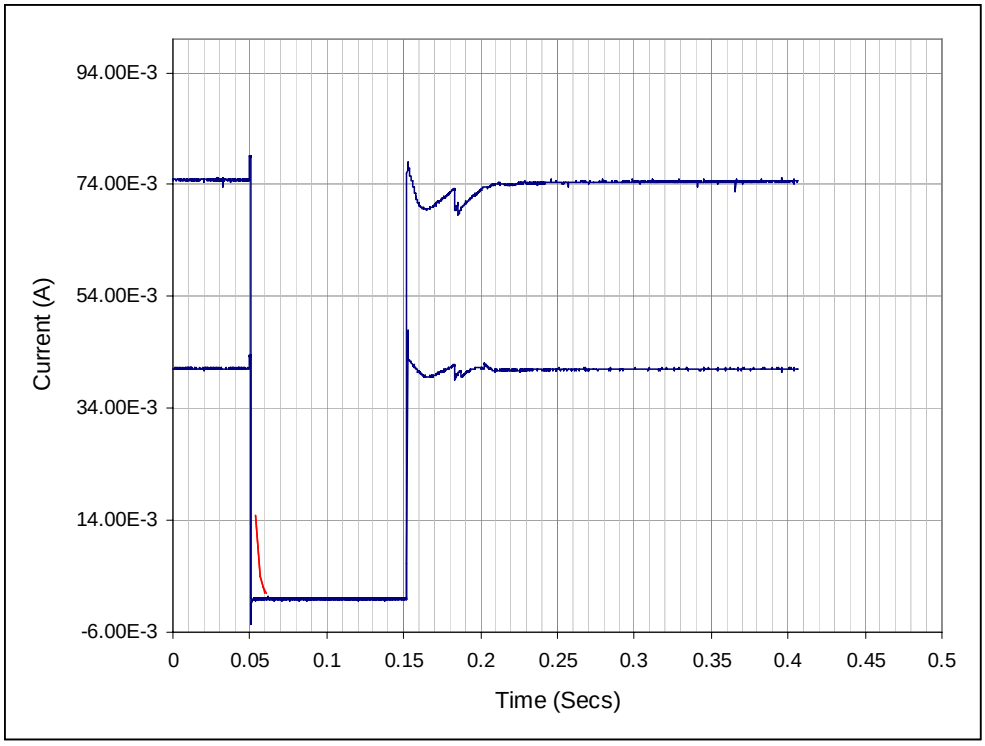
ID	5254	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(handeset)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:56:36	**Temp(℃)**	**25**	**Humidity(%)**	**56**
		Tested With Auto Test Run (EUT Master): No			

Overall Test Status: Pass

Break to Loop Transition Duration Status: **Pass**

Status Against Upper Graphical Limits: **Pass**

Test Condition Status: Pass



Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5254	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(handset)				
Test Class	Former Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:56:36	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

DC Feed Voltage: 50 Vdc
DC Feed Current: 20m A
Set Feed Current As Priority: 0 (0 = No Priority, 1 = Priority)
Feed Resistance: 1k Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1 Priority)
Feed Circuit Polarity: Normal Polarity
Break Period Start Trigger - Percentage of Loop Current: 90 Percent of Loop Current
Use 'Percent of Loop Current' for Break Start Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Start Trigger - Loop Current: 15m A
Use 'Current' for Break Start Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Percentage of Loop Current: 10 Percent of Loop Current
Use 'Percent of Loop Current' for Break End Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Loop Current: 1m A
Use 'Current' for Break End Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Duration Minimum: 90m S
Test Break Period Minimum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Duration Maximum: 0.12 S
Test Break Period Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Maximum Current During Break Period: 1m A
Test Current During Break Period: 1 (1 = Test, 0 = Do Not Test)
Test Resistance during Break Period: 0 (1 = Test, 0 = Do Not Test)
Break to Loop Transition Max Duration: 2m S
Test 'Loop to Break Transition' Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Ends when Current Rises Above: 95 %
Use Percentage of Loop Current to Specify Make to Break Transition End: 1 (1 = Use, 0 = Do Not Use)
Break to Make Transition Ends when current reaches: 15m A
Use Current to Specify Make to Break Transition End: 0 (1 = Use, 0 = Do Not Use)
Break to Make Transition End, Minimum Time Required Above Threshold: 5m S
Process Measurements Using 'Break to Make Transition End, Minimum Time Required Above Threshold': 1 (1 = Use, 0 = Do Not Use)
Use 'Continuous' for Time To Remain Above Threshold for end of Break to Make Transition: 0
Allow Contact Bounce: 1 (1 = Allowed, 0 = Disallowed)
Maximum allowable contact bounce: 0.5m Seconds
Averaging Window Length: 0 S
Test against Upper Graphical Limits: 1 (1 = Use, 0 = Do Not Use)
Test against Lower Graphical Limits: 0 (1 = Use, 0 = Do Not Use)
Test Description (DUPLICATE) -
Measurement Uncertainty Information

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5254	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(handset)				
Test Class	Former Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:56:36	**Temp**	25	**Humidity**	56

Test Details

Expanded Uncertainty, Coverage Factor K=2
Measured Current: 1.162%
Measured Timings: 0.105mSecs

TestCondition 2

DC Feed Voltage: 50 Vdc
DC Feed Current: 20m A
Set Feed Current As Priority: 0 (0 = No Priority, 1 = Priority)
Feed Resistance: 500 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1 Priority)
Feed Circuit Polarity: Reverse Polarity
Break Period Start Trigger - Percentage of Loop Current: 90 Percent of Loop Current
Use 'Percent of Loop Current' for Break Start Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Start Trigger - Loop Current: 15m A
Use 'Current' for Break Start Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Percentage of Loop Current: 10 Percent of Loop Current
Use 'Percent of Loop Current' for Break End Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Loop Current: 1m A
Use 'Current' for Break End Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Duration Minimum: 90m S
Test Break Period Minimum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Duration Maximum: 0.12 S
Test Break Period Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Maximum Current During Break Period: 1m A
Test Current During Break Period: 1 (1 = Test, 0 = Do Not Test)
Test Resistance during Break Period: 0 (1 = Test, 0 = Do Not Test)
Break to Loop Transition Max Duration: 2m S
Test 'Loop to Break Transition' Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Ends when Current Rises Above: 95 %
Use Percentage of Loop Current to Specify Make to Break Transition End: 1 (1 = Use, 0 = Do Not Use)
Break to Make Transition Ends when current reaches: 15m A
Use Current to Specify Make to Break Transition End: 0 (1 = Use, 0 = Do Not Use)
Break to Make Transition End, Minimum Time Required Above Threshold: 5m S
Process Measurements Using 'Break to Make Transition End, Minimum Time Required Above Threshold': 1 (1 = Use, 0 = Do Not Use)
Use 'Continuous' for Time To Remain Above Threshold for end of Break to Make Transition: 0
Allow Contact Bounce: 1 (1 = Allowed, 0 = Disallowed)
Maximum allowable contact bounce: 0.5m Seconds
Averaging Window Length: 0 S
Test against Upper Graphical Limits: 1 (1 = Use, 0 = Do Not Use)
Test against Lower Graphical Limits: 0 (1 = Use, 0 = Do Not Use)
Test Description (DUPLICATE) -

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5254	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(handset)				
Test Class	Former Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:56:36	**Temp**	25	**Humidity**	56

Test Details

Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current: 1.269%
Measured Timings: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause 4.8.4, Recall Signal						
ID	5255	**Job No**		1000322		
Customer	Xingtel					
Product	Corded Phone					
Specification	ETSI ES203021-3 v2.1.2 January 2006					
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Flash state(speaker)					
Test Class	Formal Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 17:12:36	**Temp(℃)**	**25**	**Humidity(%)**	**56**	
		Tested With Auto Test Run (EUT Master): No				

Overall Test Status: Pass

Test Condition 1, -

Feed Circuit DC Voltage: 50 Vdc
Feed Circuit Resistance: 1k Ohms
Feed Circuit Polarity: Reverse Polarity

Enable Glitch Rejection to Prevent False Triggering of the Break End: 1 ("1" = Enable, "0" = "Disable")
Allowable time for Glitch Rejection: 0.5m S
Time to use for Mean Smooth Averaging on the acquired waveform data: 0 S

Pre 'Break Signal' Loop State Current: 43.42m A
Percentage of Loop Current to use for Break Start: 90 %
Required Break Start Current (calculated using % of Loop Current): 39m A
Break End Trigger Current Level: 1m A
Break Period Duration Lower Limit: 90m S
Break Period Duration Upper Limit: 0.12 S
Break Period Duration Result: 0.1004 S
Break Period Duration Lower Limit Status: **Pass**
Break Period Duration Upper Limit Status: **Pass**
Break Period Duration Overall Status: **Pass**

Break Period Maximum Current: 1m A
Break Period Current must be Below Limit for a Minimum Period of 90m S
Break Period Current must be Below Limit for a Maximum Period of 0.12 S
Break Period Current was Below Limit for a Duration of 0.1021 S
Break Period Current Minimum Duration Status **Pass**
Break Period Current Maximum Duration Status **Pass**
Overall Break Period Current Duration Status **Pass**

Post 'Break Signal' Loop State Current: 50.5m A
Percent of Loop Current to use for identifying Break to Make Transient End: 95 %
Actual Current to use for identifying Break to Make Transient End: 47.98m A
Time to remain above Specified Current for a valid Break to Make Transient End: 5m S
Break to Loop Transition Maximum Duration: 2m S
Break to Loop Transition Duration Result: 96.82u S
Break to Loop Transition Duration Status: **Pass**

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause 4.8.4, Recall Signal

ID	5255	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(speaker)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 17:12:36	**Temp(℃)**	**25**	**Humidity(%)**	**56**
		Tested With Auto Test Run (EUT Master): No			

Overall Test Status: Pass

Status Against Upper Graphical Limits: **Pass**

Test Condition Status: Pass

Test Condition 2, -

Feed Circuit DC Voltage: 50 Vdc
Feed Circuit Resistance: 500 Ohms
Feed Circuit Polarity: Reverse Polarity

Enable Glitch Rejection to Prevent False Triggering of the Break End: 1 ("1" = Enable, "0" = "Disable")
Allowable time for Glitch Rejection: 0.5m S
Time to use for Mean Smooth Averaging on the acquired waveform data: 0 S

Pre 'Break Signal' Loop State Current: 72.5m A
Percentage of Loop Current to use for Break Start: 90 %
Required Break Start Current (calculated using % of Loop Current): 65.25m A
Break End Trigger Current Level: 1m A
Break Period Duration Lower Limit: 90m S
Break Period Duration Upper Limit: 0.12 S
Break Period Duration Result: 0.1022 S
Break Period Duration Lower Limit Status: **Pass**
Break Period Duration Upper Limit Status: **Pass**
Break Period Duration Overall Status: **Pass**

Break Period Maximum Current: 1m A
Break Period Current must be Below Limit for a Minimum Period of 90m S
Break Period Current must be Below Limit for a Maximum Period of 0.12 S
Break Period Current was Below Limit for a Duration of 0.1019 S
Break Period Current Minimum Duration Status **Pass**
Break Period Current Maximum Duration Status **Pass**
Overall Break Period Current Duration Status **Pass**

Post 'Break Signal' Loop State Current: 70.58m A
Percent of Loop Current to use for identifying Break to Make Transient End: 95 %
Actual Current to use for identifying Break to Make Transient End: 67.05m A
Time to remain above Specified Current for a valid Break to Make Transient End: 5m S
Break to Loop Transition Maximum Duration: 2m S
Break to Loop Transition Duration Result: 93.66u S

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)

Clause 4.8.4, Recall Signal

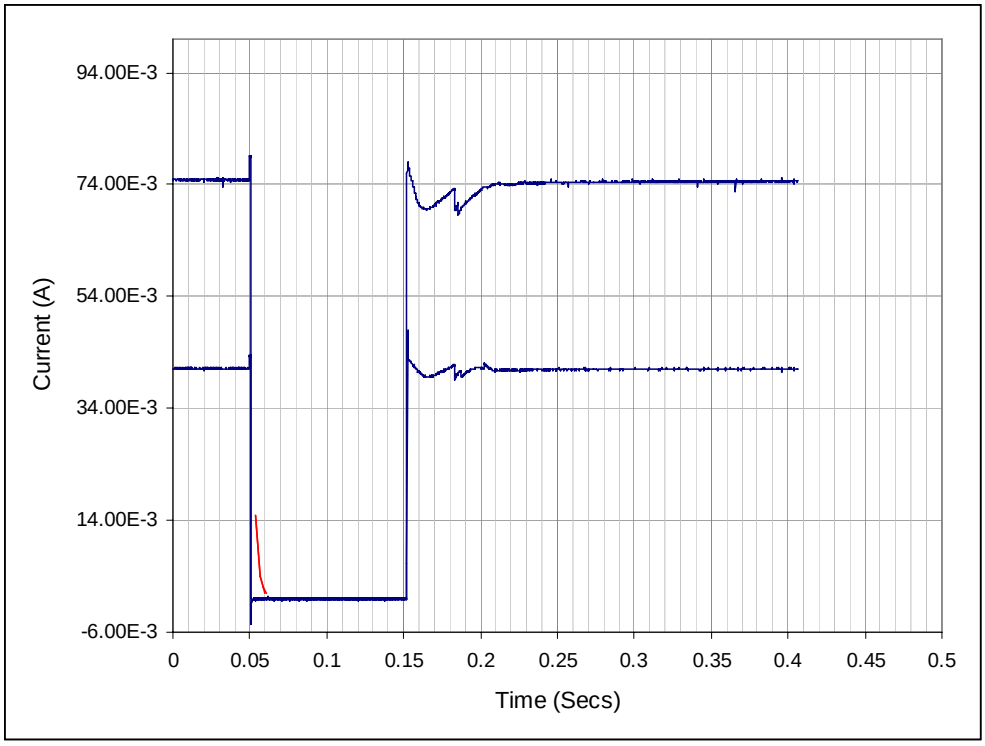
ID	5255	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(speaker)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 17:12:36	**Temp(℃)**	**25**	**Humidity(%)**	**56**
		Tested With Auto Test Run (EUT Master): No			

Overall Test Status: Pass

Break to Loop Transition Duration Status: **Pass**

Status Against Upper Graphical Limits: **Pass**

Test Condition Status: Pass



Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5255	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(speaker)				
Test Class	Former Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 17:12:36	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

DC Feed Voltage: 50 Vdc
DC Feed Current: 20m A
Set Feed Current As Priority: 0 (0 = No Priority, 1 = Priority)
Feed Resistance: 1k Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1 Priority)
Feed Circuit Polarity: Normal Polarity
Break Period Start Trigger - Percentage of Loop Current: 90 Percent of Loop Current
Use 'Percent of Loop Current' for Break Start Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Start Trigger - Loop Current: 15m A
Use 'Current' for Break Start Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Percentage of Loop Current: 10 Percent of Loop Current
Use 'Percent of Loop Current' for Break End Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Loop Current: 1m A
Use 'Current' for Break End Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Duration Minimum: 90m S
Test Break Period Minimum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Duration Maximum: 0.12 S
Test Break Period Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Maximum Current During Break Period: 1m A
Test Current During Break Period: 1 (1 = Test, 0 = Do Not Test)
Test Resistance during Break Period: 0 (1 = Test, 0 = Do Not Test)
Break to Loop Transition Max Duration: 2m S
Test 'Loop to Break Transition' Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Ends when Current Rises Above: 95 %
Use Percentage of Loop Current to Specify Make to Break Transition End: 1 (1 = Use, 0 = Do Not Use)
Break to Make Transition Ends when current reaches: 15m A
Use Current to Specify Make to Break Transition End: 0 (1 = Use, 0 = Do Not Use)
Break to Make Transition End, Minimum Time Required Above Threshold: 5m S
Process Measurements Using 'Break to Make Transition End, Minimum Time Required Above Threshold': 1 (1 = Use, 0 = Do Not Use)
Use 'Continuous' for Time To Remain Above Threshold for end of Break to Make Transition: 0
Allow Contact Bounce: 1 (1 = Allowed, 0 = Disallowed)
Maximum allowable contact bounce: 0.5m Seconds
Averaging Window Length: 0 S
Test against Upper Graphical Limits: 1 (1 = Use, 0 = Do Not Use)
Test against Lower Graphical Limits: 0 (1 = Use, 0 = Do Not Use)
Test Description (DUPLICATE) -
Measurement Uncertainty Information

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5255	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(speaker)				
Test Class	Former Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 17:12:36	**Temp**	25	**Humidity**	56

Test Details

Expanded Uncertainty, Coverage Factor K=2
Measured Current: 1.162%
Measured Timings: 0.105mSecs

TestCondition 2

DC Feed Voltage: 50 Vdc
DC Feed Current: 20m A
Set Feed Current As Priority: 0 (0 = No Priority, 1 = Priority)
Feed Resistance: 500 Ohms
Set Feed Resistance As Priority: 1 (0 = No Priority, 1 Priority)
Feed Circuit Polarity: Reverse Polarity
Break Period Start Trigger - Percentage of Loop Current: 90 Percent of Loop Current
Use 'Percent of Loop Current' for Break Start Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Start Trigger - Loop Current: 15m A
Use 'Current' for Break Start Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Percentage of Loop Current: 10 Percent of Loop Current
Use 'Percent of Loop Current' for Break End Trigger: 0 (1 = Use, 0 = Do Not Use)
Break Period End Trigger - Loop Current: 1m A
Use 'Current' for Break End Trigger: 1 (1 = Use, 0 = Do Not Use)
Break Period Duration Minimum: 90m S
Test Break Period Minimum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Duration Maximum: 0.12 S
Test Break Period Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Maximum Current During Break Period: 1m A
Test Current During Break Period: 1 (1 = Test, 0 = Do Not Test)
Test Resistance during Break Period: 0 (1 = Test, 0 = Do Not Test)
Break to Loop Transition Max Duration: 2m S
Test 'Loop to Break Transition' Maximum Duration: 1 (1 = Test, 0 = Do Not Test)
Break Period Ends when Current Rises Above: 95 %
Use Percentage of Loop Current to Specify Make to Break Transition End: 1 (1 = Use, 0 = Do Not Use)
Break to Make Transition Ends when current reaches: 15m A
Use Current to Specify Make to Break Transition End: 0 (1 = Use, 0 = Do Not Use)
Break to Make Transition End, Minimum Time Required Above Threshold: 5m S
Process Measurements Using 'Break to Make Transition End, Minimum Time Required Above Threshold': 1 (1 = Use, 0 = Do Not Use)
Use 'Continuous' for Time To Remain Above Threshold for end of Break to Make Transition: 0
Allow Contact Bounce: 1 (1 = Allowed, 0 = Disallowed)
Maximum allowable contact bounce: 0.5m Seconds
Averaging Window Length: 0 S
Test against Upper Graphical Limits: 1 (1 = Use, 0 = Do Not Use)
Test against Lower Graphical Limits: 0 (1 = Use, 0 = Do Not Use)
Test Description (DUPLICATE) -

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
ID	5255	**Job No**		1000322	
Customer	Xingtel				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To confirm that the characteristics of the recall signal meet the requirements of the specification.				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Flash state(speaker)				
Test Class	Former Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 17:12:36	**Temp**	25	**Humidity**	56

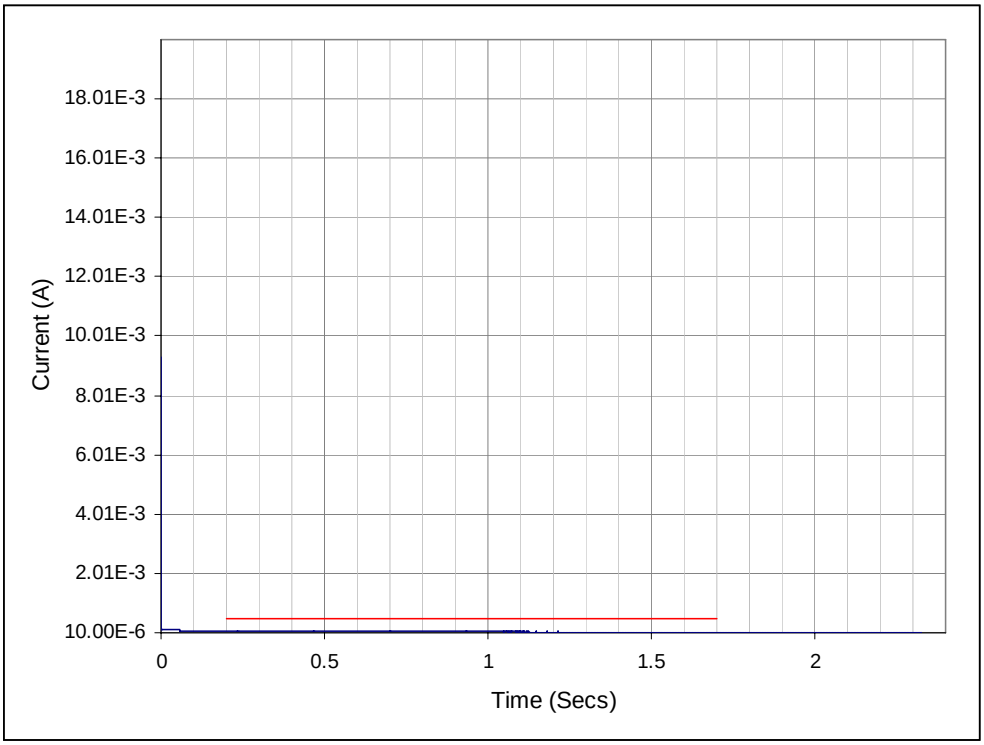
Test Details

Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current: 1.269%
Measured Timings: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)						
Clause: Clause 4.9, Transition From Loop To Quiescent State						
ID	5247	**Job No**		1000322		
Customer	Xingtel Xiamen Group Co., Ltd.					
Product	Corded Phone					
Specification	ETSI ES203021-3 v2.1.2 January 2006					
Purpose Of Test	To determine whether the TE changes correctly from the loop to the quiescent state					
EUT Details	Sample Number: 0001, Modification State: 00					
Operating State	Test Condition 1: Transition From Loop To Quiescent State(handset)					
Test Class	Formal Test	**Engineer**		Eric Lee		
Date & Time	Sat 02/Apr/2011 16:39:40	**Temp**	25	**Humidity**	56	
		Tested With Auto Test Run (EUT Master): No				

Test Result

Overall Test Status: Pass



Test Condition 1, Transition From Loop To Quiescent State

Measurement Type: Off Hook To On Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.05k Ohms
t1 - t0 (Time To Reach First Test Limit Point): 20.91m Secs
Loop Current Exceeded Upper Test Limit Max For A Total Aggregated Period Of 0 Secs
Status Against Upper Test Limits **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.9, Transition From Loop To Quiescent State					
ID	5247	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the TE changes correctly from the loop to the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Transition From Loop To Quiescent State(handset)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:39:40	**Temp**	25	**Humidity**	56

Test Details

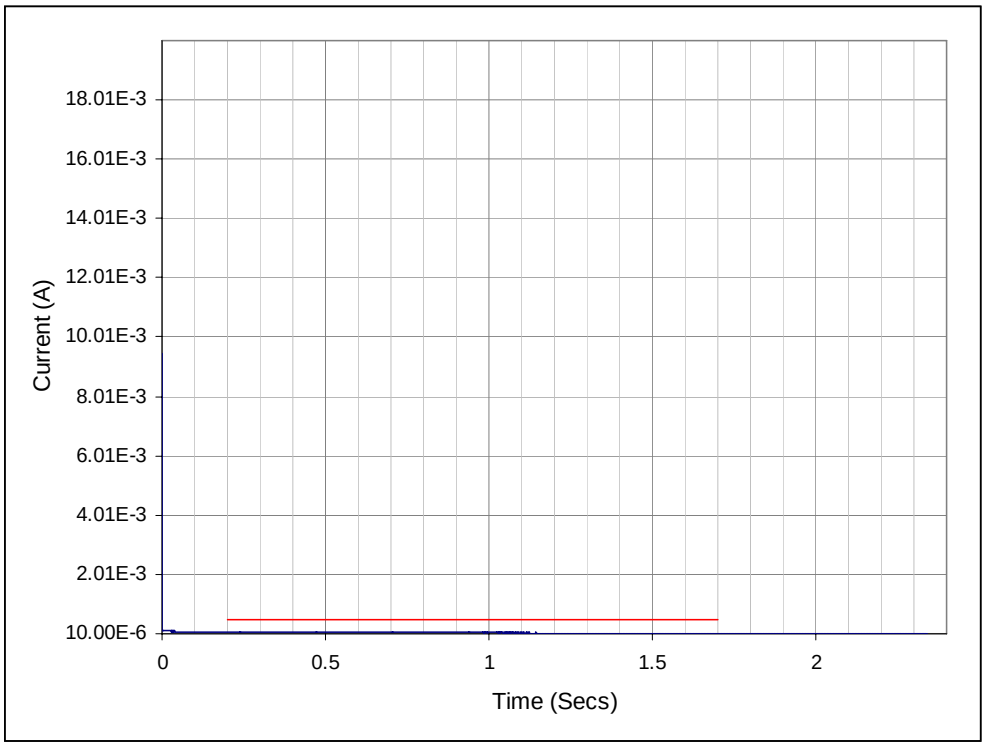
TestCondition 1

Test Description: Transition From Loop To Quiescent State
DC Feed Voltage: 50 Vdc
Feed Resistance: 2.05k Ohms
Feed Polarity Normal Polarity
Type Of Test: Off Hook To On Hook
After Configuring Test Wait 5 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 10m A
Reference Point For Line Seizure/Line Release Qualification Time: 20m Secs
Apply Test Limit For EUT Current To Be Within Limit Mask: 0 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 0 Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 20m Secs
Apply Lower Test Limits: 0 (0 = do not use, 1= use)
Apply Upper Test Limits: 1 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: 3.713%
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: 3.713%
Measured Timing: 0.105mSecs

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.9, Transition From Loop To Quiescent State					
ID	5248	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the TE changes correctly from the loop to the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Transition From Loop To Quiescent State (Speaker)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:41:22	**Temp**	25	**Humidity**	56
		Tested With Auto Test Run (EUT Master): No			

Test Result

Overall Test Status: Pass



Test Condition 1, Transition From Loop To Quiescent State

Measurement Type: Off Hook To On Hook
DC Feed Voltage: 50 Vdc, Normal Polarity, DC Feed Resistance: 2.05k Ohms
t1 - t0 (Time To Reach First Test Limit Point): 20.91m Secs
Loop Current Exceeded Upper Test Limit Max For A Total Aggregated Period Of 0 Secs
Status Against Upper Test Limits **Pass**

Test Condition Status Pass

Testing Conducted By: Bay Area Compliance Laboratories Corp. (BACL)					
Clause: Clause 4.9, Transition From Loop To Quiescent State					
ID	5248	**Job No**		1000322	
Customer	Xingtel Xiamen Group Co., Ltd.				
Product	Corded Phone				
Specification	ETSI ES203021-3 v2.1.2 January 2006				
Purpose Of Test	To determine whether the TE changes correctly from the loop to the quiescent state				
EUT Details	Sample Number: 0001, Modification State: 00				
Operating State	Test Condition 1: Transition From Loop To Quiescent State (Speaker)				
Test Class	Formal Test	**Engineer**		Eric Lee	
Date & Time	Sat 02/Apr/2011 16:41:22	**Temp**	25	**Humidity**	56

Test Details

TestCondition 1

Test Description: Transition From Loop To Quiescent State
DC Feed Voltage: 50 Vdc
Feed Resistance: 2.05k Ohms
Feed Polarity Normal Polarity
Type Of Test: Off Hook To On Hook
After Configuring Test Wait 5 Secs Before Starting Test
EUT Must Release Line Within 30 Secs Of A Power Failure
Reference Point For Line Seizure/Line Release 10m A
Reference Point For Line Seizure/Line Release Qualification Time: 20m Secs
Apply Test Limit For EUT Current To Be Within Limit Mask: 0 (0 = Do Not Apply, 1 = Apply)
Qualification Time For EUT Current Being Within Limit Mask: 0 Secs
Maximum (aggregated) Time That EUT Current Is Allowed Outside Mask Limits: 20m Secs
Apply Lower Test Limits: 0 (0 = do not use, 1= use)
Apply Upper Test Limits: 1 (0 = do not use, 1= use)
For Upper Test Limts: , Please see test results
For Lower Test Limts: , Please see test results
Measurement Uncertainty Information
Expanded Uncertainty, Coverage Factor K=2
Measured Current Within 20% Of Lower Test Limits Lowest Limit Point: N/A
Measured Current Within 20% Of Lower Test Limits Highest Limit Point: N/A
Measured Current Within 20% Of Upper Test Limits Lowest Limit Point: 3.713%
Measured Current Within 20% Of Upper Test Limits Highest Limit Point: 3.713%
Measured Timing: 0.105mSecs

EXHIBIT A - EUT PHOTOGRAPHS

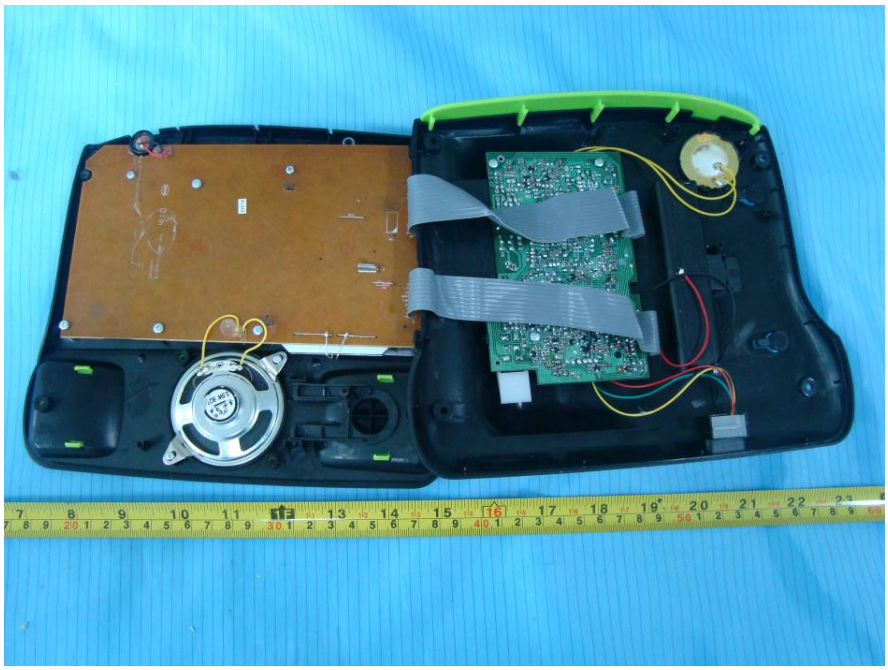
EUT – All View

EUT – Top View

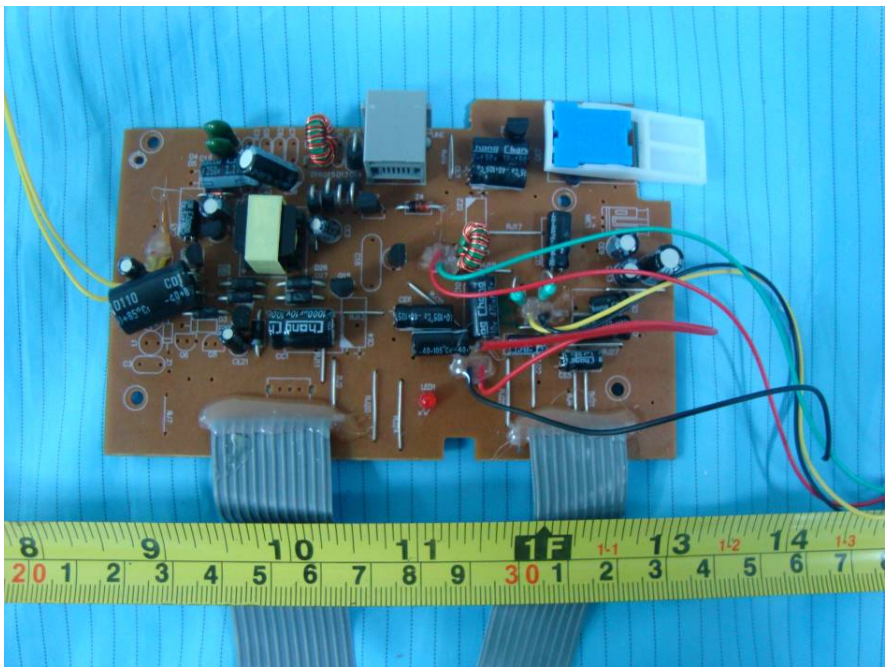
EUT – Bottom View

EUT – Port View

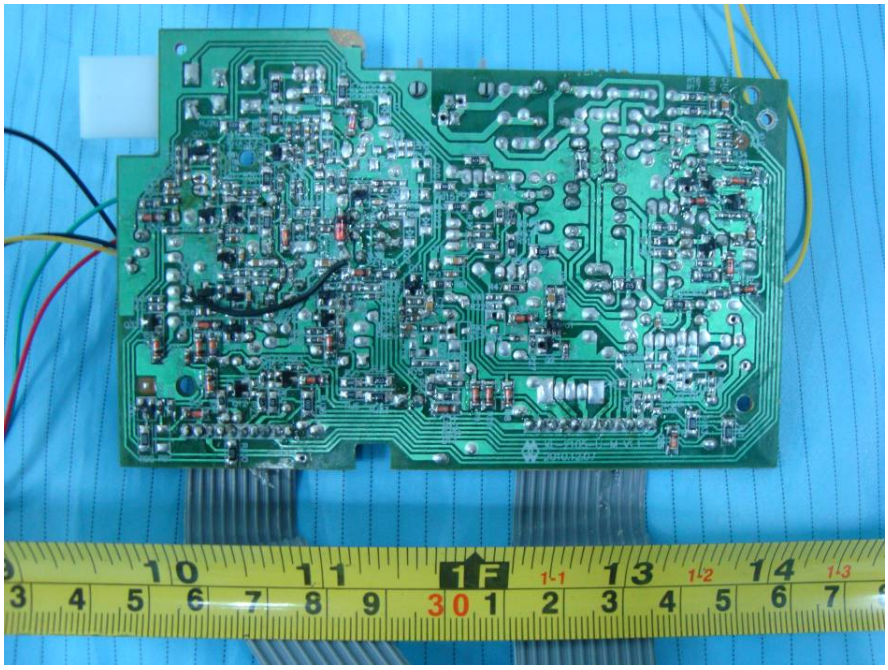
EUT – Cover off View



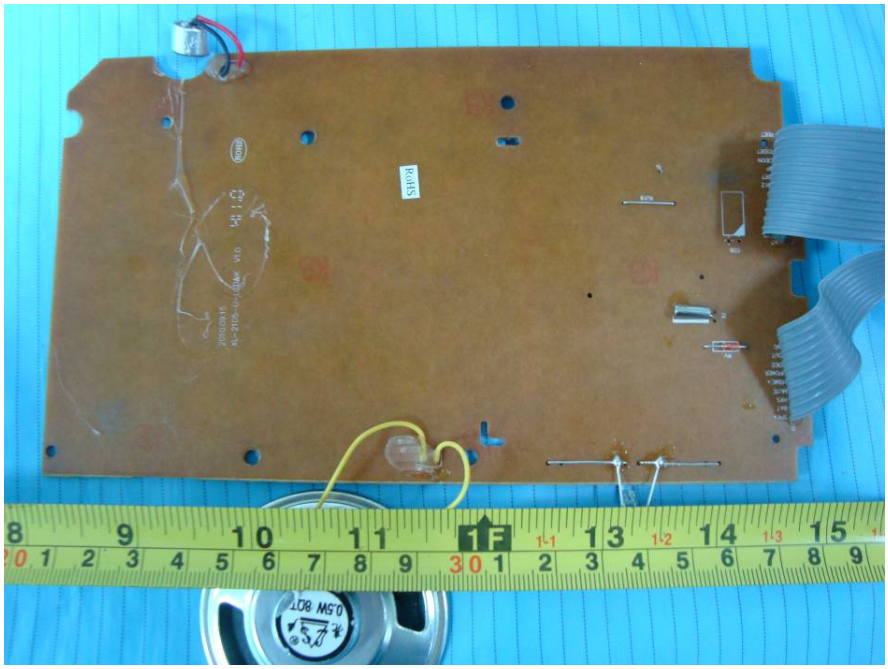
EUT – Main Board Top View



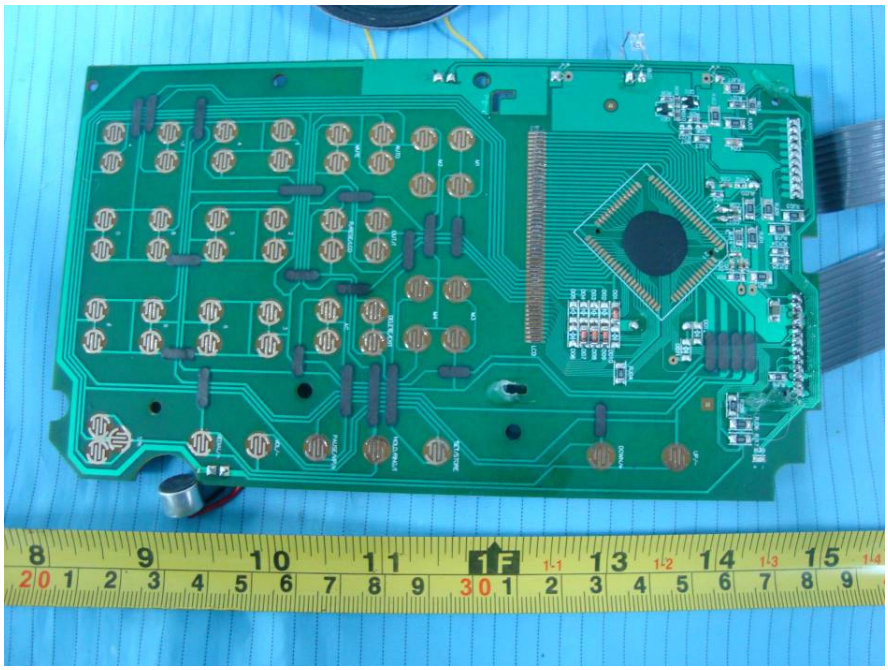
EUT – Main Board Bottom View



EUT – Keyboard Top View



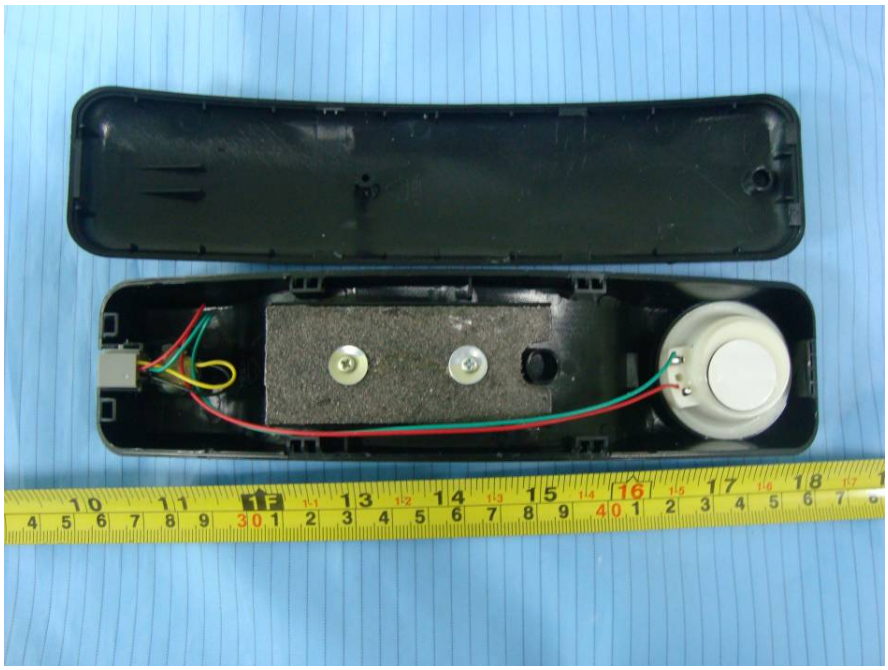
EUT – Keyboard Bottom View



EUT – Handset Top View

EUT – Handset Bottom View

EUT – Handset Cover off View



PRODUCT SIMILARITY DECLARITY LETTER

xingtel
Created for Lifestyle
XINGTEL XIAMEN ELECTRONICS CO., LTD.
Xingtel Building, Chuangxin Road, Torch Hi-Tech Industrial District, Xiamen 361006, PR China
E-mail: info@xingtel.com Website: http://www.xingtel.com
Tel: +86-592-562-5929
+86-592-603 6442
Fax: +86-592-603-7860

To: Bay Area Compliance Laboratories Corp

Declaration of Similarity

To whom it may concern,

We,
Xingtel Xiamen Electronics Co., Ltd.
Address: Xingtel Building, Chuangxin Road, Torch Hi-tech Industrial District, Xiamen, 361006, China

Hereby declare that
Product Name: **Corded Phone**
Model No. **TK-6060**
belong to **TESAN ILETISIM A.S.** with the trade name is TTEC PLUS, it is exactly same with the telephone model no. **XL-2105IDM**, and belong to **Xingtel**. These two models are electrically and mechanically identical, The only difference between them is the model name!

Regards,
Xingtel Xiamen Electronics Co., Ltd.

Simon Liu
Director
April 26, 2011

********END OF REPORT********